

tatcatcatc atcatcactt tgatgattat tatggtttgt aaatctttta tccacttaac 180
 tttcaaaata atttaaaaat ccattttctta agaatttggt ttctgcaaaa aattagtaat 240
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 ftaatatatg ttctagcata accttctaac ggtgatgctc ttttgagagt tcttccgaat 360
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<210> 34811
 <211> 427
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34811

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 tccctatcgc accagatcca aatctagaac gatgggtgat caagaggaga cgcacgaaca 180
 gatgaaagcc gacatgtcgg ctctgaagga acaaatggcc tccatgatgg aggccatggt 240
 aagtatgaag cagctcatag agaagaacgc ggccaccgcc gccgctgtca gttcggcttg 300
 cgaagcagac ccgactctct tggcaactac gcaccatcct ccctcanata tagtaggacg 360
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<210> 34812
 <211> 418
 <212> DNA
 <213> Glycine max
 <400> 34812

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 gagtctaaga cttcaaagag aaaaagactg tgtcatcaag agaattagga gtgaccatgg 240
 cagacagtat gaatacagca agcatactgt attatgcaca tccgacggcc tttctcatga 300
 catctctgca gccatcacac cacaacacaa tggcatagtt gaaaggaaaa acaagacttt 360

tgcagaagct gctacggtca tgcttcatgc caaagaactt ccctataatc tctgggct 418

<210> 34813
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34813

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cggatcctta attgacacaa tngaaattc ttaacataa ttnttatata ngtgaccaag 180
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cttcccatcc ttagtgtaaa actctgaagc tgcaacatcc ataccaattn taatctgcac 300
cattgtntt tatttccaga tcagcacaag tgaatattca nattatgcaa cagaaataat 360
canaacttca ccaccttgc cagtataacc agccttctca atggcatcca cgagtaaaac 420

<210> 34814
<211> 406
<212> DNA
<213> Glycine max

<400> 34814

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cgaacctttg ttcgtggaag cagaatgaca gcagtagagt atgagaagtg agattctttg 180
gtggagccac caggctgacg tgatgaagtt gggattattt tgggagagag ttgtgttttg 240
ttaatcaact cctccatagt tggttccata attcttttgt tgaattgagg atgcaaatca 300
caaatttaat tatatgtatg acaaattta ctttccatta tgtgaatgat tgagttacta 360
tacctatata tatatatata tatatatata tatatatata tagata 406

<210> 34815
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34815

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catttaataa aaatgtcatt gttgtattcc taagtaaatt caactgatat ttggatgcag 180
taatgcttat cagccatcag gtttcagttt tatgttgaat gtatgtatac ttcattgcaat 240
gtttatattt agtgtcttaa gaagatgtgg tgtaagtcaa gtttagtgtg actntgtatt 300
anaccccttc ttgtgggttaa atggtatgac agtgtaatgg tgcaactttt aattctgagt 360
catgataatc aacttctgag gctattatct ataacacatt catcaattgc atatgtgata 420

<210> 34816
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34816

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ttgttgctct aatgattttt tttccaatt aaactagtgg agagacaagc acatgtctgt 120
ccacattttt attttttatt atatattaaa aatttatatt tacaaaaaga tgtgaaaatg 180
aggaggatat gacagactaa atagaaaaat gatagaacga aattaaaata gtttatatga 240
gttaataaat aagtaaatat ttgtaataat caatataaag aatactagca ggcataaatt 300
aagaaaataa aaataattta tttcgtattc tagcctaac cattacaatg tggaccaatt 360
aaaatacgga tcacttgtaa canatcttaa acagcatgag ctg 403

<210> 34817
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34817

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gtttttgttg gagaggctgt gtgggacaac attcatgtta ttaaggcctt attaagagga 120
tatgaattag tttctgggtt aaagattaat tttgctaaaa gtcagtttgg gattattggt 180

ggtggtgtca attgggcttt ggaagcagct aataccctgc actgccgaca gctggagtat 240
 cctttcctct atttaggcac acctatntgg gctaatecct tcagccagct ggtgtgggag 300
 cctatcatca ctagattcaa gtcaaaatta gccaaatggg ctcagaaaat atatccatgg 360
 ctgggaagat actctgataa ttctgtctca atgcctccaa ttatctctct cttttta 417

<210> 34818
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34818

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 accccttgca ctgaaaattc tcaaactttt ccttcaatgc cacaacaca attcttccat 180
 gtttcgtaac cctcccaata gttctagtga tccacaaact ccttccaatg atgacgttga 240
 aacgcaattt caacaatttt ctactcaact tgggctagaa aacatcacat tggaacgagg 300
 agagtattct acaaaaaaaaa tattgtgact tttctttntt ttattgaaga ggatacacat 360
 cttattgggt tgtgacttaa tgtctcaatg gatccaattg ttggtgatgg tcaagca 417

<210> 34819
 <211> 359
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34819

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 gctccaggcc aagctacttg ctcaagaaaa tgetccatag gtatgattgg cctgtggtga 180
 gccaatctc acaggctgtg catgataata aattgtgctc ggaataagct ttgtagcata 240
 gggactaagg tttgcgagct ttggacatcc ggtcctatgg ttgctgacgg aggagctgga 300
 gtagatgatg aagggatgtc atctgctcta gccctttntc togataccat ctgtaacta 359

<210> 34820
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34820

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 agaaatcaag aagcaacaag tcaagacttc atataggata agtattaaaa gatttttttca 180
 aatttttctca aatttttctaa gttaccagag tgattactct ttggtaatcg attaacagtt 240
 ggcagtaatc gattactagt gaccagtttg gttttcaaaa tattttcaaa tggtttgcaa 300
 cgttccaaaa tgattttcaa atagtggaat cgattacact atattagtaa tcgattacca 360
 gtgaatctga atgggtggaat tcctatccta ttgtgaagag tcacaacttt tcataaaata 420
 cattg 425

<210> 34821
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 34821

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 ggatcatttt caaggtccaa cgccttaaaa tgatcacctc ttaaagtaaa aaagaatcac 120
 ttgataagaa agaactacgt aggtctgatt tcctcaccgc aattgaggaa tacgtaggag 180
 caaagggaaa cacccttgtc gaccacaaaa agagaaaaat ataaaaaggg tataaaggat 240
 ataaagacat aaaaagggga acataaaaaa tcaaagtcac gtttgacacat tcgattaaag 300
 gctgccgtcc cttgggacgg acgtgtggtg tgctaatacc ttccctgtgc gtaaatacaa 360
 ctcccgaacc ttttactta aaagttcgta gatcgcgctc cttcccgggtt ttctga 416

<210> 34822
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34822

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ccatatcaga aattagtgcg gtataccttt gtgttctaag caatgatcct gtttgaacat 120
gatctactag atcaccaata atttgacttt ctagatgatt tcttctcatg atgcatctag 180
tggtgtcttt tacttggtct tgaattcttg ttgagtagat gcttgtgttt ctagattttg 240
tctggacgag ctagttgcta tagagacaag gagtgggtag ttttattcct tgggaacaaa 300
gaggatcgag cctcatcatc atcagatagt gagtccacaa gcgacactcc tatctctcct 360
ctccataaac gtgtttcctc tacacaanca tgcccacat tcatttagag agattc 416

<210> 34823
<211> 421
<212> DNA
<213> Glycine max

<400> 34823
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actcaatcct ggaaactaat ttttctcaga agctatggta gatcaccatt aagagaacca 120
tgttccacca tcaaatttaa agttttccat acatttttca aaagaaatat taagtgcata 180
cacttttcaa tctagtcctt tgtcaccata aaccagtaa aatattactt ccataatctc 240
cattaaagct aaaataatag ttgataaaca ccacattaag caatcataaa aaccagcatt 300
cccactcca atgctccaac cggtgaaaaa tctcttcaaa gctctccaaa attatgcaca 360
acttcacaga tcaaaaaatc caaaacaagg ctaaattatg taagtgtgaa ttatttataa 420
t 421

<210> 34824
<211> 399
<212> DNA
<213> Glycine max

<400> 34824
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gtcttcattt tgtactatct ttgtgagatt cacttttctc tctccatgaa tattatttca 120
caaatcccaa cggtggcggt gtgaagaatt gaattgccaa ccaggtgcct aaatttcaca 180
atgatccaac ggtaactag tttgtatcgt acttttattg gacaggtttc gagtctctac 240

gggaaaagag aaagctacaa tgcgaaggac atttctctta tctccaacat ttttttttca 300
 caatttccaa cgggtgagaat gctcataaat gagttgcgaa cctgatgctg aaatatctcg 360
 atgatccaac agttaacaag ttcgagattg tcaattttac 399

<210> 34825
 <211> 407
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34825

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 tccctcacat tcaactgttc ttcttcacgg cttcaatgct catcatcgca gtgcgtactt 120
 ctctttttta cttttcttat tatgcttata ttatcttatt cttccacctc tttctcttct 180
 aggtttcttt accagggcta agccagcaac caacattgaa ttcaacgac gccacaggtc 240
 tcttttattt ttcatttaat gcttccgcaa cgcaatcttt tccatttccc tgcccctgat 300
 tcttttcctc aatgtattgt agtcagcgag ctgttaaaac tgccttgtgg tgaactntct 360
 tgtttttcac tcaagtttga gtatggtagc ttctctatca tgtatgt 407

<210> 34826
 <211> 275
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34826

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 aggtgtttca tatgtatatt ttancgcttg cagataaath ttcaatttcg gctaaagctt 120
 cttcaatgc aataatgagg atgaggtgga taataaacia aatatgagac atgtaacgga 180
 gaacatggag tctatgcatt gatttaacac cttgttgtaa cttattcatt aacttaaagt 240
 gagtattttc attttgtatg ctgatacacg aatga 275

<210> 34827
 <211> 313
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 34827

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gcctggccag gagaccagcc ttcttctctt ggaggggggtg gtgnctncac agcccacgag 120
cctgtgactg aggagccac aacaccaaca ccatcaccaa cagctacaga gaaggagact 180
actccagctc agaccccaca accatctcca ccatctgcac ctgctcctga ggagacttag 240
ccatcagcat tggatcttaa tgaagaccag ccacaggtgg agcaggacgt ttaaattttc 300
tgcaactatga aca 313

<210> 34828
<211> 402
<212> DNA
<213> Glycine max

<400> 34828
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ttaatcttct agagtctggt ctatttcac aaatccttcc tcaccttggc ttgcatctat 180
catttcagat ggagtatgat tggtcgaatt agccaaaatg attgattttt ctattatgac 240
tgggtggatgc ttactgaaag ctgggtccaat gcaatggcta cttgactcat tgagatttct 300
ccttttcccc tagctttcat atttgcaatc attgcaagtt tctgcttcat tttgttcaca 360
gccatagccc gttgcaatct tctcttctgt gtgcgagtta at 402

<210> 34829
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34829

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tatcatacat cggagcatgt gcttgctgaa aagactcttg tccaagggtca cgaatcatat 180
cctccaagtg atctcccatt tctacatcaa atgggttaga ttggaacca ctctacatgt 240

ctgttaattc actatgccat atccatgcta tataatttct cttaattgca tcacacaaca 300
aatgttccccg tatgtcatcg actttttgcc gtctcctgtt caaacaattt atgcatggac 360
aaaaaaactt cccattntca ttcgggttaac ttctttctg 399

<210> 34830
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34830

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tattccctag tggatggtgc ctccccctctc ctcttctcct ttgccttcca ctgcatgtcc 120
atggtggaag accaccattg aaggacctca ttgaagctca aagatccagc ctccatagaa 180
gateccacaag caagcttcca ttaataccct tggggggtag gattgcatca tgatgtgact 240
cctctagctt tacacaaagc tatgattaat gctggaaatc caagcctaga ggagtcatgc 300
tgagctataa tagagatctg gtgaaagatg aggtaaccca nattcatgtc catcttcata 360
attattccat agattaact 379

<210> 34831
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34831

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cattttctcca agtatgtttg gctctatcca ttgaaattaa aatctgatgt ttcaataatt 180
ttcccaattt ttaaaaactt ggtcgaaata caattaaact cccaaatcaa aactctctac 240
tttgacaatg gaggcgaatt tattaaactt caaccatttt tacaaaatca tggcatctct 300
cacatgacaa cccacactca taccctgaa cataatggta tttctaaacg tanacaccgt 360
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<210> 34832
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 34832

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 aggtcacttt aacgctctaa atgttttttt tgttgatgaa aattttttat cttctatctt 120
 aaatttctat caacataaaa ggaagatgga ttctgatact ggcctttaaa taaattcccc 180
 aattatacct caccagccct agtgcacac atgggtctca tgtacgcttc tttttcactt 240
 tcacgggcta agtacatggt cctccacatg acaaattctg tgtaaataag tatgacttat 300
 ataaatgtta accattacaa gagacaatat tagagcactt gtctaaataa gaaactactt 360
 ggcaagccat ggcaatctaa 380

<210> 34833
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34833

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 cacatctttt cataaaatgc attgtgtaat cgattacatg gttatggtaa tcaattacta 180
 gtgacaagtt ctgaataaaa agtcaagaga tgctactctt ccaatggttt tctcaagatt 240
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 caagaccttg actttgcatt caaataactt tttacaactt ttagaatctc ttgaacaact 360
 tttgagaaat cttganacct ttacaactca tctttcttct tctt 404

<210> 34834
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34834

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 tgaaatgtgc agcagaatth tgtgcttggt cagaaaatgc ttatgcatgg ctgggttggtg 180
 aaagggttgt acatattggg ttcttgacgt tntctaggag atcccaacgg tcaaaatgta 240
 gacttatgta ctaggacact ccagtaaaat gttcgagtcg atccaatggt gattgaattg 300
 gaacanagag aatgttactg ggggtattgt gtanggaaan gtgtggtatt gggtttgtgt 360
 tttgggcaga gttttctgct tctgccccgt ttttcttga ttttgatagt tcatgatgtg 420
 tggatgttga at 432

<210> 34835
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34835

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 tagctgtgac gctctacact aggatgctac tgtgcaaaga gagtanggac acaaacact 120
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 ctttcagcgt acaaatcgaa agaaacatta acattataga acaaaaagaa ttgaaaattt 240
 caagacaaga taatttagat cttctctttt gtgtgctaag gcacaagatg tttactanac 300
 ctatggacgc tactctttaa tgattgtttt tagtacttga ggatcgagta attattccat 360
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<210> 34836
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34836

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 acatacatta aattgataag atattcttta ttgataggaa taaaaaata tattatttaa 180
 aatttataat aactcaccta tcaatttatc atatttgcac atgtacatta attatagacc 240

gtaaaacacc aagtatatat ggcctaagaa aatgcttcat gtcatatatt aaataaatct 300
 ttccatacct gaaaaataga tcattcttaa attactacct acgaattcat tntttgtcaa 360
 atacctactt gaaaaaaaaa tttaatcctt cggntaagtg atgacgtgac agaataccac 420
 atcattacgt ccaatcactg acact 445

<210> 34837
 <211> 391
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34837

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 tctgatcatc ctgctttgat aaatgcaaaa aaaaaaaaaa aactgaggca aataaagagg 120
 atgagaagga gggagaaaacc catgctgtga tagccattcc tatacggcca agtttccac 180
 caaccaca atgtcattac tcaaccaata gcaacccttc tccttaccac ccaccagtt 240
 atccacaaag gccatcccta aatcaaccac aaaaccacc taccacacaa ctcanacgca 300
 aacggtgctt atcgtggagg agttccgng cattccattg agcattgtat ggcctgaag 360
 cataaggtgc anagtcta atgtatgcggga t 391

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 <211> 379
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34838

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 gtgtctccca tattttccga gatagtaatg tatgcattga tcatttggct aactatggtg 180
 taaaattgct ctattatgtg ggaagataaa cttttgattt ggatgaagtg tacaagggga 240
 gatacttggg gttgcaagga cagaaaaata aagataacat ttgctatttg gatggacaag 300
 cttttgagag aaaccatgat aacaaagtga agaagaaaat gaagttttct aatattgtag 360
 aagtgttggg agatacttc 379

<210> 34839
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 34839

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 gatggtcggt tctccgggag cgacgcgtcc agctcagga cgacgagtat actgatttcc 180
 aggaggaaat atggcgccgg cgggtgggcac cactggttac tcccatggcc aagtttgatc 240
 cagaaatagt ccttgagttt tacgccaatg cttggccaac agaggaaggc gtgcgtgaca 300
 tgaggtcctg gggttatgggt cagtggatcc cgttcgatgc cgacgctatc agccagctcc 360
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<210> 34840
 <211> 233
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34840

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 gcggtacata gagtgtgaagg agtatccaca aggggcttct ggcaacgaca agaggatggt 120
 gcagagggtg gaaactagtt tctttctaag tgggggtatc atgatgtagc tccattggag 180
 cttgttggcc ttggatcttc ttcataatg gagtcctttg cttcttgaat ttt 233

<210> 34841
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 34841

agcttgtata taggagacct tcaatcctag aacgtaacgt ggcagacaaa agtgggcagt 60
 taacttgaat gaccattatt ttcaatgcgg aaagtattat gttcttcact atccatgttc 120
 acacattatt gctgcttggt gttacgtgaa catgaattac ttccaatatg tagatgttgt 180

ttacacaaat gagcacatcc taaaagctta ttcegcgcaa tgggtggcctc ttgtgaatga 240
 agcggttatt cctccttctg atgagcaatg gacacttata cctgatccaa gtacaattcg 300
 tgcgaaaggt cgggtcaaaat caacaaggat aaggaatgag atggattggc tggaaccatc 360
 tgagcaccga caaaaatgta gtatatgtgg aagagaacga cacaacatac gtcgatgtcc 420
 aatg 424

<210> 34842
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34842

tgtaagaagt atagcaatat aggagattgt tcttggttga ttgataagga cttagattnt 60
 aatcatgggt taaggagttg tacaacagat ggagatatata tatacttagt gagggatgct 120
 ttggaaaatg agaatgagat aaacgtttat ttccataatg aagtagatcc aatttttagaa 180
 gaagattcac agatgtttgta cttggaatgt catccaattc cagaagttgt tgataatgag 240
 gatgatttag atgatgtacc tattcctggc catgagtaag ggaagtttta attcatctat 300
 acttggtcca acatggatac cataattntg aataagtttg gaatttaatg tttatgatta 360
 attcatataa tttatttgta cttgatcac 389

<210> 34843
 <211> 267
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34843

agcttgtgct cttgcctcac tcaccgnctt ttggttgca tttctagcta tcttatactt 60
 atcccaagtt tcacaatttc tacatctaga ccactccttg aaacactcct tttttactct 120
 aactttgctc tgaacatttt cattccacca ccacgattct ttacccttag gtccaaaacc 180
 tctagattca cccaacgtct ctttagccac ttaataatc tgttatctcc caaattttga 240
 catgcgcgtg aaaagttatg agcatc 267

<210> 34844

<211> 189
 <212> DNA
 <213> Glycine max

<400> 34844

tgatattgca caacggaagc actcgagaca tgcgaatgtg tcattactat tcactcggat 60
 gtgcgattcg cgggcataac tcatctagat gctcggaatt gtgcatcgga agctctcgag 120
 aaagtcgaac ggtcataact ttccacacgg atgtgcgaat tctgggcata atatatagag 180
 acgctcgat 189

<210> 34845
 <211> 169
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34845

cggctccata ngacggaaga aatgtctgga tgaatactgt attctatagc ggcccaaagt 60
 gagtttcgtg tctcccatat ttccgagat agtaatgcat gcaccgatca tttggctaac 120
 catggtgtag aattgctcta ttatgtggga agataaactc tgaatctgg 169

<210> 34846
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34846

agctntgacc cctttgccaa ggcacccata ttgcaactcc ttgtagaacc catccaagta 60
 gaacccaact tctctagtcc aatgggtcaaa agatgttagc atttgatgcc caagtaaaag 120
 tttccttccc tcaaacctta tcaatctcat tctttctcac aacaagttac atatggtagg 180
 aggaatccta aaacaaatgt atatagcaaa ttagcactag cctatcccct aggtctgcat 240
 atgaatataa ctactgatat aaagatgaca tcggatcana catgcctcag actacccatc 300
 tgtaatgaag tcaaaaagaa aaatttcatg ttttacttga acaccaaagt gcctaacaga 360
 gaacanaagg tccaattagt caactatcct aaacactaaa 400

<210> 34847

<211> 378
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34847

 ntntcctatt atggaaaatt ccgctttgtt agctccgtta ggattctagg atgtgtctca 60
 atctagtatg gctaatacatt ctccatgtat acttgttctc cattctcctt taccatggca 120
 agcctttgtg aaataacttc gatgaanaga aaaagggtctt ggatcgagtg gcctcaaaat 180
 aattaagaag gggggggtga attaattatt cataaacctt tactaattaa aaattactct 240
 ttttaaggctt ttactaaatt gctaagagaa tgaggagtag aagagaaact taacagaaaag 300
 taaaagcgga aattacatgc acagcagaaa gtaaaagagt atggaagaaa gagacaaaca 360
 cacaagagtt ttataact 378

<210> 34848
 <211> 425
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34848

 agctntgggtt atngattgac cccaggccta aaccagcaac cactccatct tgcactgcag 60
 tcctgtaagc tttggttaag gattgattgt attgagctat agcttgactc tcgcctgtaa 120
 atgatgcaac ctgcattgga ggaatgtgta tcttttatat tctactgtct acaaacatgt 180
 aaaagaacaa gattgacaag ttccattatg aagattggca tacttgctga attgaatcaa 240
 ttgtgcgctc tactacagtt gctgcttcag aataagctgc ttgtccatgg gatggcaact 300
 ttgcaaaagt aaagctcatc atggaaccag agattaccag aggtggaata caagatagaa 360
 ggacaagggt tagaagccaa cccttgatga atgctatgac taaacgtcct aaaaaacatg 420
 ccaca 425

<210> 34849
 <211> 369
 <212> DNA
 <213> Glycine max

 <400> 34849

tgtaattggc	cttgttgaca	catgtgagga	tcatgtggac	ctttgttttg	taattgtcca	60
tgtggatttg	catgaaatat	agtatgtgat	tatcaatttg	gggaaatggg	attaaggttt	120
acgaagaatg	aaattggttc	ttcttatttt	tgtttttgtg	gcagttaaaa	gttgccagta	180
tctaaatatt	ataaatgggtg	ttaactttta	attgatttga	atcaatttaa	atagataaag	240
gattaaaatg	aattttttta	aagataaata	aataaattaa	atctaataat	aaggtaaaga	300
aaaaaaaaact	atatgacaat	tccttaattta	ggttccaac	actaataaat	taagagcata	360
tttggattg						369

agcttgaaat	tgaacaacgg	aagctctcga	gaaaatcgag	tggtcataaa	ttntcacaca	60
gatgtccgat	tcggggaaat	aatatatcga	gacgcacgaa	attgaacaac	ggaagctctc	120
gagaaaattg	aatggtcata	acatttcact	cggatgttcg	atccggggac	ataattttatc	180
gagacgctcg	aaattgaaca	accgaagctc	tcgacaaatt	agaatggctg	taactttttca	240
cgcgaaatgtt	cgattcgggg	acataactca	tctagacgct	cgaaattgaa	caacggaagc	300
tctcgagaaa	ttcgaatggt	cataaagttt	cacacggatg	gtcgaatttcg	ggacataata	360
tatcaagaca	atcgaaattg	aacaac				386

tgccgccacg	gagttntccg	actatgctct	tgtgtggtgg	atctagctac	aaaaggagag	60
agcaaganat	gaagagccaa	tggttgatac	atggacggag	atgaaaaaga	tcatgaggaa	120
gcggtatggt	cgggctagtt	actcaagggg	cttgaaattc	aagctccaaa	aactaaccga	180
aggcaacaag	gggggtgagg	agtatttcaa	ggaaatggat	gtgctcatga	ttcaagcaaa	240

tattgaagaa gatgaggagg taactatggc tgcatttctt aatggtttga ctaatgatat 300
 ccgtgatatn tgtgagctgc acgagtttgt tgaaatggat gattngcttc acaaagcaat 360
 cccagtggag caacaat 377

<210> 34852
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 34852

agaggacgtg agaagacatg ctctatgatg catcatgaca cgtcctatag taggctcttc 60
 agaatgcatt gttatgcgtt tatgatgggt agaatagctg atcatgaata ggccacgaaa 120
 atgatttgaa taggtacaac ctctataact actcgacaac catcgtgagc gttacgacct 180
 ctgatctcca ttcgaaactt actattgggg agcgcatacc caaccattgt catcgaccac 240
 accaaacatt gttgcgaaac gatgagactg tacacatatt cctgcccggc aatttaagca 300
 tagaccagtc atatccttcg acaaactctg acacccttgg aagtgatata tcgtttgatg 360
 attactcaca cctatagttg taatacaata acagatcatc gttatcgata act 413

<210> 34853
 <211> 284
 <212> DNA
 <213> Glycine max

<400> 34853

actagtgacg ctcttgagca tcttgtatat tagcgagctc tgtcactctt acgagttaaa 60
 cagtatcgct ggcacaattt gcaactgaact tatatgttca actgctagcg actccaccta 120
 ttacgggact gactctgaca ttagagtcac aagtaattgt agtgagaatt tgctcatagc 180
 ctatgaaatc aataacaagc atgggaagat cttacggtac tgaatcgac atacgagtca 240
 gaacttattg tcattggtaa tttctatgag cttctgattt ccat 284

<210> 34854
 <211> 203
 <212> DNA
 <213> Glycine max

<400> 34854

0044106-101599

agcttgtcgt ctatctaaac taagcaagca gggctgcttc ctccagaagc aacagactac 60
 tggaggaatc gtctgtgagg cccaagtggg catgattgct atttgcaccc ccattttttac 120
 taaatgcacc cccttctatt attttggttaa ttctttttcc gtaacgatac caaacttgcc 180
 gactttcgta acgatactta ttt 203

<210> 34855
 <211> 327
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34855

gagcttgnrc atcccttttg tatggcnttt gatacgccag cggtagccgt gctccacgca 60
 taatcttncc accattctct atgagtgact atttcatgat acgcttaatc acgtacgatg 120
 gatgccgtgc cggtagaaca caacagcttt actactttta tgctgactcg gggggacaca 180
 tcattataga cctatttatc atattactta cgcttatctg cttaatgtat ggatctcgca 240
 annannccac caccnagcat acattactct tttctttgtc attattgacg agcattacta 300
 tttctttggt accacaccac aattagt 327

<210> 34856
 <211> 466
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34856

ntttaatcga tacattgcgt tagctatacc agactcaatc ttttgcccta tcttgtaaca 60
 ccattgtaaa ttgtgcacac gacgatattt tgctatatga tatctactca gcanagtggg 120
 tttcacgcaa tacataggta agaggtggct gactctacac cgcgtgggat cctgagcacc 180
 tgcactgatt agcgtgctac aaccgagatg cggacattct atcgttactc gctatgagag 240
 atgttcgatg gaaagaaaac acgactcgga gggtagaacg ctattacgac ctgttgatca 300
 cggaatatgt ggacgttgcc acataaggac gatatatagg agtggagaag tgatttttggg 360
 aacgtattgc agtatgaatg ccaagaaata ctccattgag tccttactga tagggaaccc 420
 tttaaagtgg agagctcaca tttgatgact agatgaacac tgcctt 466

<210> 34857
 <211> 495
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34857

attattgatg acatcgntac tacanggcga gttgatctca gctcgtcg agccgataca 60
 gtaaanctgc ctgcggcatg cagcattggt atggaagaca gtgagaaaac aacaagtgga 120
 gagtattgat tcgcatgact tcagatcatg agcaataata tattgttagg aacaaaagcc 180
 aaggacatac tctgttatat atgatggcgg acaagagcac ctgcgtcatt tggttaatgt 240
 gacgtctaaa tgcgtcaaaa ctatatggat tgaaccctcg cacttatttt catgtcatga 300
 tgagtgaatg cattcacttg agggctctat actgatctca gatgatacat acccgcatgt 360
 cctatgtcac tcaatctatt taaatattgg acgatcactg cctttcacat cgctgatgaa 420
 gtgagcaaca ttatgcacta ggctagatgc tgaccacggg aaggctaaga cattcgttca 480
 caatacagca ccacg 495

<210> 34858
 <211> 375
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34858

tgtcatcggc gcggttgaca catgtgatga tgcatgggac cttggcttgt aattgagata 60
 gcagaatatg atgagccaat ggttgatata tggacggaga tgaaaaagat catgaggaag 120
 cggtatgttc cggctagtta ctcaagggac ttgaaattca agctccaaaa actaaccgga 180
 ggcaacaagg gggttgagga gtatttcaag gaaatggatg tgctcatgat tcaagcaaatt 240
 attgaagatg atgatgatgt aactatggct cgatttctta atggntcgac taatgatatc 300
 cgagatattg atgagctgca tgagtttggt gaaatggatg atctgcttca caaagcaatc 360
 caagtggagc aacaa 375

<210> 34859
 <211> 196
 <212> DNA

<213> Glycine max

<400> 34859

atacaataca caagctagcc gccacggagt ttgccgacta tgctcttgcg tgggtggatct 60
tgcttctaata tgagagagca cgacatgaag agccaatgag tgatacatgg actgacaaga 120
actagatcat gaggaaccgg tatgtatcgg atagttactc aagggacttg aaatttaagc 180
tcctaaaact aaccca 196

<210> 34860

<211> 418

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34860

agcttccatc tatgaagaaa ttcaagagga tgttcaaaga gattcaaagg atgtaaaaga 60
ttgtaattaa tgtcttttaa atgcaagtta tggcttggct tttatagact cttcatgtct 120
ggtcaagaaa atcattagaa gagttataac ctttagaaaa acttgaaaac cattggaagt 180
gttacatctt ttgattttta ttcaaaactt atcattggta atcgattacc aaatcattgt 240
aatcgattac acaaagcatt tttgtgaaag gatgtgactc ttcacatctt catgtctggt 300
caataaaatc attagaagag ttataacctt tagaaaaact tgaaaaccat tggaagtgtg 360
catcttttga ttttattcaa acttatattg gaatcgatac cnatcattga atcgatac 418

<210> 34861

<211> 398

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34861

gttggtgcat agaagaagaa gaagttcaga gagattcaaa gcttgtaaag gattgatcaa 60
atgaatgtga aaagtatatt gaaaatcaaa tcaaagcctt acttttatag actcttcatg 120
tctggccaag aagaccattt agaagagtta taacttttag aataacttaa aaccaatttg 180
aaaaagtcaa aaaccttttg aagagttaca tattttttat ttattcagag acaaactg 240
gtaatcgatt accatattag tgtaatcgat tacacagagc ttttgtgtga aaagatgtga 300

ctcttcatat ttgaatttga aattcaacgt tcaaaggcac tggtaatcga ttacccaaaac 360
attggaattg attacagctn tgtgaaaata attggaac 398

<210> 34862
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34862

agcttgccgt ctagctcgcc taggcaagca aggttgcttc ctccagaagc aacagccttc 60
tggaggaatc ttttgagggg cccaagtggg catgattgct atttgcaccc ccatttttac 120
taaattgcacc cccttctatt tttttggtaa ttctttttcc gtaacgttac gaaacttcac 180
gactttcgta acgatactta tttccttccg caaggttacg aatccttacg gattatgtat 240
tttctctttt ttagcttttg aagaagttac ggaaacttac ggattgcgca aaaacacctc 300
ttttcgactt ccgccacatt acggaattac acggatcgcg caagcctgct tccttttagat 360
ttctgagacg tctcgggact tcatttattg tgcaacanag gacgccaagt atctc 415

<210> 34863
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34863

tctgggtgact gggaagcacg ttattctggt gttttccaga atcgtttccct tcgccaagta 60
tgtgtatatg tgtattatat tcgntgntct ggttggtggt tgtattacgt tntgtgcaga 120
agaaaaaaga agaagtagag atgagagtcg tcatcacgga aagggcagga cggacgaaat 180
cagtgnctta tctttgcttt cctcttatca tagatgagag gtaagtaaag aggggcaact 240
gtcataccct aatttcgtcc ggngattatt acttgatgac atgcaacctt tggttagccg 300
ctttgagata cttggcgctcc ttttggtgcac gataaatgaa gtcccagagac gtctcagaaa 360
tctaaaggaa gcaagcttgc gcgatccatg anattccgta atgtggcgga aattgaaaag 420
aggtgt 426

<210> 34864

<211> 410
 <212> DNA
 <213> Glycine max

<400> 34864

agcttttcgtc ttgttacagc taaaggggta ataatgttaa tcatgcacaa tgaaagctac 60
 gttagaaaag ctagttgaat tattatttca tgaaacgctt cagcatgtac atggctgctg 120
 tgccagtaaa atacaacaac tttagcactt taaagttgta actgaagcac acctaatata 180
 agacctatat aaacatatta attaccttat ctgtttaatg ttttgatcta ataattagct 240
 caacacagat caaacatagt cctccccctt gtcattcttg acgatcttcc ccttcccatt 300
 attattccca caaacaagt ctaggttata aagaatcggg aacattgcca cagaagacaa 360
 gaaaaccaac acaggcccaa agatccaaag cagaagaggg agtgctgagt 410

<210> 34865
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34865

tgtgatgacg acataagttc aagtcaggaa tatatatata tatatatata tatatagcat 60
 gttgagagac aaatgtggng aaaagttagg ctgggtcttg aagaatccat gccatatgga 120
 tgctacagag tgaaagggac ttgttttagt gtagagagat gaagaaagtt ctacgttaat 180
 ttggaatatg atttggtggt tggaaggaga accgtaaaag aggggtgcaag agttttccaa 240
 cgtgttccag aggcttcatg tgttactttg tcaacatatt ggtcatattc atcggactac 300
 agcttttctc ttttaagtaat ggtttgggca atttcacact aagttgggat taagtccaat 360
 atcaatacca tacctactag ntacgttntc ggctattgct tcctgcacct cttttatggg 420
 ttctggaatg gtcaatcccg 440

<210> 34866
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34866

agcttctctc tctaactctc actctcactt agagaagggg ggaacactaa taggcacgca 60
 tgctttgcat tgggtgaaaac ggataacaaa ggattacttc tttgtgtatt acccatgtaa 120
 aaaagtcaac tttttgatga tacattcatc caaaatttca ttgacaattt cctccaacta 180
 cgtcagcaac aaacatagga aatTTTTTgt tgacaaatcc gtccacagat gccacgcaga 240
 acattccatt tgctttgaca gagatattta atgtttggac taaattgtcg cactttcctt 300
 aaatccaagg acaattnttt tttttatctt ttcagtacta tagtggttaac tcattacaaa 360
 ttcanggatt gaagtgacta atttatactt aat 393

<210> 34867
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 34867

atttgagta gatacatggg accaactcat tttatttcat aaaagaaatc atatctagtc 60
 aaggtctgag agaccatata agtttcttaa cgatttctaa ttatgtgggc cattaagtct 120
 atcatatgct gacaatagcc gagaagccca tgaatctctt cgggggcgga gtaggtgtct 180
 gccatcgct tggccttagc taacaatcgg agaaggtctt gactcccgct caaggtaaga 240
 gcaaaccgat ccattccat ggttgcctct tgggtgaaag agtcgatcac ccttactcta 300
 gcctcttttt ccgcatatac ttgggcatac tcatacgga ttctatgctc gtgggcccgtg 360
 gctagacca actcttcttg gtacttggcg atgat 395

<210> 34868
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34868

agctttcaat gtacaaacaa ttagtatata caactcttat agagacagac acaatacagc 60
 agtcacaggc attgaactac tccattgtga ttgcatggat catgagtata taagtatcat 120
 cacatattca cataaatctc atttatgatt acttattatg cacatacctg tcttccatcc 180
 aagcaacact gtacagatca cccaagcagg ttgaatattc tgggggagga ctaggatact 240
 ccccgaggca atatgttccc caactacttt cttctgcatt ggaagctgtg gttgcataaa 300

tattgatatc ttcgggaaga agaccttcaa agatactccc agattcacat gctncagat 360
 aaaatacctg cattaccatc atgt 384

<210> 34869
 <211> 420
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34869

ntgcgngtg agcttaccg catgtctggc tctagtcacg gtcgacatct cccactttca 60
 tatcttttgc ttcgtagcca tgaccacat cttccaacca tcaccacctc caattggtag 120
 ccatgactaa tatatttcca ccatcaatat ctttgtttag taaaagtgtt atgggatggg 180
 ttacgataag tgtgcttggt tccttacct gngtttgtaa acttatccct aaccaaatta 240
 ataccaaca atacagggga caagattggg tggactagac tntgtagtat tatatatata 300
 tatataatat tntataaact attcttttaa gtattgatta attaacanaa ttgtgtcaca 360
 ttatataagg aaaaaatatt atatataaat atttattaat aacataaaca ctatgtaata 420

<210> 34870
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34870

tagtaagaag atttcctagt ttatcactaa catattacta tttgtgttaa ccaatctata 60
 tacaccattg ctaacttaga aattgggtctg aaaatcagct tcctagaagt tataaatatt 120
 ttaaaattaa aaaaaatggt ataatcatat aaatatgaac taaaaaaca tattgtctcc 180
 attttgaaat aattatagat aaatgttaac aacacactat tacttgatga atttcctaca 240
 acttttaata acaataataa aaaaaagagc tggcctaagc tttctagtgg aactcaagaa 300
 attcacctat taataaagag cttgatgaac agtgtgcatg anagaatggt tatcatataa 360
 gatttcactg aaggattaag aacaatcaat gaatactatc agttntaaag aaaacattac 420
 tgaagtagta gtccattgaa ctatatta 448

<210> 34871
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 34871

agcttttgat gcactagttc gaaggatgt atcaacctgg tcttgaaaat caagatctca 60
 tgagcccttt caagaatgga tgataaatga taattctgaa ttgggaaaca taatattgca 120
 tatcatgact acgtgaatgg cttcccatgg ccaccaagat catacacttg cagcttttgt 180
 acaaaggagt ttaagtctgc tcatgcactt ggtggacaca tgaatgttca taggacggat 240
 agaccaaggt tgaggcagtc atcaccctca attcatgaag atcaaggaca agctgctgga 300
 cctatatagc acaaccttaa tcttgaccct aacaacaact cactctcatg atgatgggtg 360
 c 361

<210> 34872
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34872

tgtgatagtc ataatgtaga cttctcttag aaggaggttc cttttactca gggagcggtt 60
 ttgcgaacaa cttatatgta catagtgaat aagtacttat catataagca ctaacgtata 120
 agctatgtta taagttattc agccagatat ctgagatgag atgaatgtgg cttatggaca 180
 catcataagc taattttata agttctctca aacacttaca gaagtgcctg tgttataagt 240
 tcaaataggc tatcaataag cattttccaa tgcattat aatttgacct ttnttgagtg 300
 gatcaattac aggaaggcca gctccactgt ggaggagggt gctagaacat gaatcataac 360
 tatgcttaaa 370

<210> 34873
 <211> 262
 <212> DNA
 <213> Glycine max

<400> 34873

agcttaacaa tgttctgtcg tcgagagtca gacgaggcgt ctacctcact cttgacggtc 60

005107-9072460

tttatactat ccacgtacta ttctgtttga tcacactgca tccttctaac agctaaaatg 120
 tgacctcact tcatgtgtgc tttatatata ttgcccacg ctccttacgc aatgcaatac 180
 tgtgtggtaa agtgattgcg agcttcgatt atgtctccat acacaactct cccattgaag 240
 taccaacatg aaaatggata tg 262

<210> 34874
 <211> 316
 <212> DNA
 <213> Glycine max

<400> 34874

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 tactggagga aactcatat gttgaggtgt gcatagcagg cattacattc gttgctatgg 120
 atgtatgtac tcctggacta cgttatagct gggagacata cagcttttca cccacccttc 180
 caccattcaa aacgctgttt agagtatttt ctacacctga gtttagtata actatatata 240
 cttgaatacc acaccatttt atagagcgtt ctttagagcc tgcattgatga tgtatattat 300
 cagttacgaa agatga 316

<210> 34875
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34875

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 caactctatg ggtgaaaatc accatttgag gaccttagtg aagctcaaag atccagcctc 120
 agtagaagct tctcaagcaa gcttccatca ngaatgtgaa gtgatactta caagaaagca 180
 aantacagan ggccttgtgg gtgatgagta atgganggtg tagtaaaaga tgtaagtgat 240
 gataaggaag tgtangagag cgagaagtgg ctaaaaataa agagaaaaaa aatgagtggt 300
 gtgaaatgta gaanananaa atgagaaaag ccaagaaaaa gagaaatagt tntaaagaga 360
 gagttgatga ggtcttagct tttagacta gagtcaaata acgagagaag caaagagg 418

<210> 34876
 <211> 412

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34876

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 tgtataagct ttctcaagag gcttctttga taagttagat ccttatctag ccacacctct 120
 ctattaacta aattaacctc cttaaaaata attacagata aaaataacgc aacaaataat 180
 caaacatcaa acataattac taataatata tagatatata tcagggtggt acaaaccaca 240
 tttcagtagc gtcacttttg catcctgcac ccaccaatat acttgcacat ccacaccatt 300
 ttggataatt tgaaaanttt cctttcgtga atctgttacg aattatgaat gtataaaatc 360
 gttacgaatt tgtcattggt atgcgtcaat ataatttttt tttgggtatt tc 412

<210> 34877
 <211> 422
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34877

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 taatttttct tcaaatttat attaaatatt ttttgtgtaa tattatatta tgatagattt 120
 atataattac taataaacca ttaaaaataa ttataattta tttaactaat ttttttactt 180
 taaaattcta caaaattatt tttatttaga aatcatataa aaataattgt aaacagctcc 240
 ataaataaat attttgttgg taaatattta tattatatgg nttatatttt tatactaaaa 300
 attagttaa atatagttaa tttttataa taatttgact ctatgtttag aattttttta 360
 ttaaataat tttaaataa ataaaaataa ttttgtggct ataataaat atattntatc 420
 tg 422

<210> 34878
 <211> 423
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34878

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 tgtccattta tatcatgtca gtaggtcctt tccagatttt tttgctgaag cattatccct 120
 ttgctagata tctatgagac atatatctgg gttgttatca atgcatagta gttcttttaa 180
 tatatatata tatatatata taattggaat tgagcctaac caactccctt tcagggggcc 240
 ccagggactg ggaagactca gaccatactt gggattctaa gtaccatttt gcatgctact 300
 cctacaagaa tgcattcaaa gtaagtgtaa tatttttata tattnttgta gncttctatg 360
 tctaanaact tcgtacccca ttgcccagag gctcttcgct atgcgaacgt atggggggagg 420
 gat 423

<210> 34879
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34879

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 agacttcaag atcaagcatc aagaatcaaa tccaagattc aagcattcaa gagaagaaat 120
 caagaagcaa taagtcaaga cttcatatat gataagtatt aaaagagatt ttcaaaaacc 180
 aaatagcaca gttttgtttt acaaaaagaat tttctcaa at tctctaaagt taccagagtg 240
 attattctct ggtaatcgat taccagtgc cagtttagtt ttcagaatat tttcaaattg 300
 gttgcaactt tccaaataat tgtcacatag tgttatagat tacactatat taggtatcga 360
 ttacaagtga atctgaacgt tggaatgtat atccaagtgt gaagagtcac aactttttca 419

<210> 34880
 <211> 427
 <212> DNA
 <213> Glycine max
 <400> 34880

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 aatacaacag tcgcaaataag aaatagttgt tttctccaaa agctatactg aatctacttt 120
 gtgtcttgag gagcttgaaa aaatcattga atgcaataaa ttttaaggcc aagtacttgt 180
 gcccatat ttatgatgttg acccatcaga tgtacgccat cagaagggtg cttttggaag 240

agcattaaaa gaacttgcac aaaacaaata ttcaagagac catgcggcat aagtgtttgt 300
 gatgtggagc cacacactca gcaaaactac agacttttgg tgttgggatg caagagagca 360
 atgttgtag actcgtgatt ctacgtagaa tcgtgaagac ttcgtaaact cgacttcgag 420
 aatcgaa 427

<210> 34881
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 34881

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 ctacatacac aacgtgtaca gtggaaatca tacaagtgt gagattctga tcagaaagag 120
 aatagtttgt tagaatactt gggaaactga accttagctc tactcagaaa ggggaaatcc 180
 tttgtgaata ggaaaccctt tgaaggataa tctcaacttt gtttctttgc aattcaagaa 240
 atactatcaa agcatatttg ttccctttca ttcccttagc attatgctat tctgctacta 300
 actttaactg catttaaacg ttgctcataa ctaacaaagt ttatttggtt agattgattc 360
 attgagagcc cttcaatcat caaagctcat tcccatgatc ttctggtacc acttcaacaa 420
 ccattt 426

<210> 34882
 <211> 326
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34882

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 gaagaacggt cgaaaccttc acgaaattct tcacggaaaa cgttacggaa acgtttcgga 120
 agcgcttcgg cttagatttt ttccacggaa acaatttttc caagcaaatt cgaaagagag 180
 agaagtgcc aaggggctga accccttcct tcttcacttc ctcccctatt tatagcaaaa 240
 taagggaggt gggtgccgcc cagctcgccc aggcgagcca ngttgcttcc tccagaagca 300
 acagccttct ggaggaatct tctgga 326

<210> 34883
 <211> 476
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34883

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 gcgcactcat gggccttgga tgtaaatctc tcgtgcgtga gaggttgtgt gatgagctag 120
 atacgtacat agccacaccg ctctaataac taaagcaacc tccttgaaag ctaatacaca 180
 ggatgataac gcgaccata acctacagca gacataacta ctaatgagat agtgatatat 240
 atccgggtgt taaaaaccga acttcactag cgtgactttt gcattctgca cccaccgata 300
 tacttgctca tacacaccat tttggataat ttgaataatt taccttcgcg aatctcggac 360
 caaatatgaa tgtgtaaaaa ccgcacgaa ttgtcatttg catgcgcca cataacatgt 420
 ttgtcggtaa ctctactaca ttgagcgcg atatatataa actgagctca tgtgcg 476

<210> 34884
 <211> 483
 <212> DNA
 <213> Glycine max

<400> 34884

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 ctctgtgtgt gacacaccat acagaccttt gtccttccat gcaggagagc gtgcaaaaga 180
 acagactgca acttatgtct gaggcattgta cctttgacca cttttaacta atgagaacaa 240
 tcaaacacag tccagctatt atgacctttc cagcagaaga tacaaccctg gatggaggaa 300
 tcaccctaac ctcatatggt ccagccctca gcaacaacag cagcagcctg ctctcttctt 360
 aaaaaacgct gcttgccgaa gcggagcata caatccttgg ccgatcaaac aacagcaaca 420
 accccagaga cagtcattcag ctgacgccgc tccacaaact tccctcgaag aacttgtgaa 480
 gcg 483

<210> 34885
 <211> 414

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34885

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 aatctgtacc tgtcgcaagg gtttgtgggt tgtgctcctc tgctgaccac catacagacc 120
 tttgcccttc catgcagcaa cctggagcaa ttgagcaacc tgaagcttat gctgcaaata 180
 tttacaatag acctcctcaa cctcagcagc aaaatcaacc acagcagagc aattatgacc 240
 tttccagcaa cagatacaac cctggatgga ggaatcaccc taacctcaga tgggccagcc 300
 ctgagcaaca acaacagcag cctgcttctt ccttccaaaa tgctgctggc ccaagcagac 360
 catacattcc tncaccaatc caacaacagc aacaacccaa gaaacaacca acag 414

<210> 34886
 <211> 416
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34886

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 ggaatcttct ggagggccca agtgggtctg gttgctatct gcaccccat tttactaaa 120
 tacaccccaa cttttttttt gtgcttcttt tttcgtaaag ttacggaaac ttatgaattt 180
 cgtaacgata cttgtttttt tttttccgta atgttacgga accttgcgga tttcataatc 240
 antccctttt tgacttacgg aacgttacgg aacctcagc attctgcaac gatgcttctt 300
 ttttgatttt cggatgtgca cggaacctta cggattgtgc atcaatactt tcttttgatt 360
 tccgacatgt cccggaactt cacanaatgc ctaatgatgg gtgccaagca ccacac 416

<210> 34887
 <211> 423
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34887

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ttcgctaagc	gcaacactca	ttggctaagc	gcaaggaaga	atctggaaga	aaatgagctg	120
tacaagttcg	cttagcacac	tgtttcgtct	cactaagcgc	accgcttcag	tccatcagct	180
aagcgagaaa	ggcacgcgct	aagccgaaat	tcactaatgt	gcgctaagcg	gtccagaatt	240
gcgctaagtg	cacgagcacg	aacaaggcca	cctatttaag	cttgagatca	gatttttgtga	300
agggagtttg	ggctaggatt	cagagctttg	catgtctaga	gattctagag	agagaaaggt	360
ccaatttcag	agagtnttaa	gagatgtttg	tgtgtgaaga	tctgcagaga	ctatagctcg	420
aag						423

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<210>      34888
<211>      400
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      34888
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<210>      34889
<211>      381
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      34889
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 agagcctnca ttcagagctt aactaatcag atgggacaat tggctacaca attagatcaa 360
 caacagtgcc agaattctga c 381

<210> 34890
 <211> 154
 <212> DNA
 <213> Glycine max

<400> 34890

tcactgatag tagtattgat gtagctatca tcaaggaatt ctatgtcttc ctctacgacc 60
 cataagacaa gtcacctaatt caggtgacgg ttagagggtca tttgatcaaa tttgatgaaa 120
 atactttgaa cacattcctg aagacccttg taat 154

<210> 34891
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34891

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 acaatagcat catttcttgc actgaattgt tgggagttag aagccatctt ctcatcaaa 120
 ttcttgacct cagcaggggt catatcacta agggctccac cactggcagc atcaatcata 180
 ctctctcca tgttgctaag tcctcatag aaatattgaa gaaaaagttg ctcanaaatc 240
 tggtggtgag gacagcttgc acacgatttc ttgaatcttt ccaggtactc atacaagctc 300
 tctccactaa gttgtctgat gcctaaaatg tcttttctga tggcaatggc cctagatata 360
 ggaaagaatt tctccaagaa cactctctta aggtcatccc agctgaaaat 410

<210> 34892
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 34892

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 aattcttgaa ccctaacctt gttgtctttg gaaactaagt ttcattgaat gttgttttga 120

tgatcaaaat tctagctaa ttccttggat ggaactgtat tatatgttgt gtttcttgaa 180
 attctaaggt taaaaatgag ttccttgggt gtcaaaactt aagtttagct ttaaatttct 240
 ctaaaatcgg agttttctag taaaagttat gaacaaaaca agtttaagga attttattta 300
 tttttttaga ctaaaactgt catgaaaata aagttggtgt tatggctgta cggactgttt 360
 tttctttaag gttgacttca aaatgagttc ttaagtgtga aatatagtga gcatataaaa 420
 ttatga 426

<210> 34893
 <211> 391
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34893

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 ttgtccttag taggaagtct atcccataac aacctccaga caaaggatcc catatcagcc 120
 actatatgat ttctttgaga ggaaattgag tacaaatctg gaaattgatc tttgagtgga 180
 attccatcct cagcccaggc atcttcccag aacaaaattt gatcaccct acccatcttc 240
 cagcagaatt gtttagagac ggcagtcata ttgtgatctt gattgagtgc ctttaggtca 300
 gccaccagg tggagaaatg ttgnttgatga ggcccctgat ccaatcctct ccagccctga 360
 tatttagaaa tcaggatcct attccacagc t 391

<210> 34894
 <211> 371
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34894

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 attttccacc atggagatgc agcggaagaa aaaggagaag aggtgagagg aggcgccatc 120
 cactatggaa taagccatgg aagaaagagc ttcaccacca agatgagcct tggataagaa 180
 gcttggacag gatgcttcaa tggaggaaaa gaaagaggta gagaaagaga gagggggagc 240
 acgaaattga aggaagataa agggagagaa gttgaacttt gagttgtgtc tcacaagact 300

ctcattcatc anagttacaa caagtgttac acatgcttct atntatagac tangtagctt 360
ccttgagaag c 371

<210> 34895
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34895

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tagccagtca ttaatgttat agttggacct tattggacct tgggaaacca tggttgttat 180
acttaaacat tatttggcct tagttaatta ttggtgttaa actttaacct aattgagcct 240
aacttaatta ttagtgtaac aatgagctnt gttgggcatt aaatagtctt taactttata 300
atttagccta gtagggctct tgacaatcat tagtggtaca ctnggggtta attggacatt 360
ggtcaatcat catca 375

<210> 34896
<211> 307
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34896

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gaattctaaa tagctattag tggaaataag aaaacatcga tgacatatga aaatcatacc 120
tcattacaca atttcacaga attgttagta tgtttttttt ttggattttc aagggttatga 180
tttatttaga atgtttatat taagagatag acatttctta tcaaacatta attttcatta 240
tgagagagaa ccttgataaa actagtcttc tcatctggag ggtcacgaat cgacactatg 300
aaagtag 307

<210> 34897
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34897

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tggtttggca atctttgaaa tgtcttttat gaatgccta taaaaccag catgtcctag 120
aaagctttctc actcctttga cttttactgg aggagggagt ttctcaatga catcaatctt 180
tgctttgtct acctcaattc ccctcacaaa aattgtatgc cccaacacaa tgccttcttg 240
aaccataaaa tgacatttct ccaggttaag caccaagttg gactcttcac atctctgcaa 300
caccctttcc aaattcgata gatagcaatc aaaagaagag ccanagatag agaaatcatc 360
cataagaatt tcgatacact tctccaccat atcgaanaag atngccatca tgcacctctg 420

<210> 34898
<211> 235
<212> DNA
<213> Glycine max

<400> 34898
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aattggggcg tatgtgacaa tcataatgaa ttactaaaca agattgggag ttactttaag 120
gtcattccag atactcctca aactcagaaa atacttccaa aatggtaaca acaagtaccc 180
tccaattaat taatgggtatt aatgaagata gtgacaaaaa ctcatataac acaac 235

<210> 34899
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34899

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tctgatcatc ctgctttgat aaatgcaaaa aaaaaaaaaa aactgaggca aataaagagg 120
atgagaagga gggagaaacc catgctgtga tagccattcc tatacggcca agtttccac 180
caaccaaca atgtcattac tcaaccaata gcaacccttc tccttaccba ccaccagtt 240
atccacaaag gccatcccta aatcaaccac aaaaccacc taccacacaa ctgagacgca 300
aacggtgctt atcgtggagg agttccggag cattccattg agcattgtat ggccctgaag 360

cataaggtgc aaagtcta t t g t g c g g g a t g g c t a c a a a t t g a g g a g a a t 411

<210> 34900
<211> 308
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34900

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gtgtctccca tattttccga gatagtaatg tatgcattga tcattaggct aactatgggtg 180
tagaattgct ctattatgtg ggaagataaa ctttgaattt ggatgaggtg tacaagggga 240
gataacttggg gttgcaagga cagaaaaata aagataacat ttgctatttg aatggacaag 300
ccttgaag 308

<210> 34901
<211> 181
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34901

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taccatgttt agcttgtagg agtctctatt ttaattgggt accatgtgat cgtgatcgat 120
tacttccttc ttgaaagagt tcgtaggaac gagcaagagc cctttattcc attgaaatca 180
c 181

<210> 34902
<211> 275
<212> DNA
<213> Glycine max

<400> 34902

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acttcattgg acgtacatgc cactaccgcc tgcagacaca ggatcgcta ttaaccactc 120
tatgattgct ttgagacgaa attgaccact aatccgaaa ttgaccttg agtggaaat 180

catgctcaga ccacgcatgt tgccagaaca aaactcgatc acccctaccc atcttccagc 240
agaagtgcct aaagacagca gttatattgt gatcc 275

<210> 34903
<211> 60
<212> DNA
<213> Glycine max
<400> 34903

tctatctttg ttttaacgca tcatttcaaa gattcgatga tatttttgca tggtaaattt 60

<210> 34904
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34904

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caaaaaaaaa ttaattgata tcaataaatt tattttacat ttataacttt tttttaaatt 180
ttccttatca ataatatctt atctcttcta atagtttatt aatatatttt gtttcttatt 240
ttaatgagag atgttttttag tataaaaaata attaatacaa aaaatattat aaattgagtt 300
ttataaaaaa aaataaacat caattcaaatt ttgagtctta tagataagaa caaaggaggc 360
aatgctaataa gaanaatggt aaagtcacaa tctntttatg cacactcctt attgggtcac 420
atc 423

<210> 34905
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34905

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cagtggcgcg acaagacgag acgccggatg cgcgataatg gactacgccc ttcgtccgag 120
gtcacgacaa ggtcacaaca tattgaaatt tcagacaaac agggaagtgg gagctcgagc 180

tagggcgagg ttggagtgtt catgaattag cacgcaaaag cttataaacc tcaatgttaa 240
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 tacaccgtct taacttacct gttgctgaac ctacatagac gggttaccca atgaacatcg 360
 ttgaatgtgt cacgcgccgt gcacatggca cataanaagg gcacatattt atagaaatgc 420
 caccgctaatt tctactacga c 441

<210> 34906
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 34906
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 tgctagtata caagaaggag gttgtcgagt agcatgaaaa agggttgcac aatgctgtta 180
 tgcattgccg gatcttcgtc aaggaccttg tcttggtctt ttgtaaccct ttctagcacg 240
 tgaatgatgg tgttctactt atcaaggaag atataactgc tgatgaggag acgagcatgg 300
 agtaagatgt tggggccaat gtttacgccg atgtttaatt tcttggttgc tggatttttag 360
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<210> 34907
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34907

tagtaagtta tgtacctgtg ttccttgagg atgtgcttag tttaccacct aagtgtgaga 60
 ttgagaatct agtaggtcta gtacccatag aaaactgtaa ccgtagagat atttggtata 120
 tagctgtaga gcgtatacaa tagttgggaa agttgtaagg agtagttata gtatgaaacc 180
 tttagaaagt gtaaggtcga tattaaggcg ttgttttgct gagcataaag ggattcgaga 240
 gtgagtattc ttatgtaagg tagatgacct anaggattag cgatgatagt tgtatgatta 300
 gtgagataga tcttagttct ctttaccttt aatccgggta aagtctgagg atgctctgat 360

gactatcata gtaccttcca tggactatac gtgtacctgg tcatgtcttg acatgatcga 420

t 421

<210> 34908
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34908

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gtgatatctt ttggtgtcac cctgatacag tgaagttagt caatgcatgt aatttggtat 120
tnttgataga cagtacctac aaaacaaata gatacaaact ctactactt gactttgntg 180
gtgtgacacc aacagggatg acattctctg ctggctttgc ttatctagag ggtgaacatg 240
ttaataatgt ggtatgggat ttaaaacggg tccgaggtat atttttaaga tgtgatgccc 300
tccctagagt tattatgact aacanagacc tagtattgat gaatgcagtg aanactgtat 360
tccctaagtg tacaaatttg ttgtgcagct ttcacataaa caagaat 407

<210> 34909
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34909

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tatgattttc tattgataat tcatgtctat gattttgtag tggtattatg acatgatctc 120
gaaagttatt gatatgttga aattagaaaa tatttttatt taatttgata catgtgtata 180
tgattcatga gatatgataa attattatat tngatcatg aaattgtgat tgagaatgtg 240
tgtgtaagtg atgaattgtg agatatatgt gtattgagat gtgagctatg aactctacaa 300
tcacacaatt gtaagagcct ttaagagcga tgagttaatg cgcgataagn nttgtatgag 360
ctctactgtg ggaacccgat gaagttaatc aat 393

<210> 34910
<211> 424
<212> DNA

<213> Glycine max

<400> 34910

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aaacacgctg cccagccttt gttaaccatt ggatcttctc gaaatttggt ttgcgacttc 120
acaagacact tgtccatgat ctgaccgttg ctatctttga gaagatgtct ggagtgtgct 180
agaagcttcc gttcccgaga gcatctctta ttttaagcatt tcagcctttg ctttcgtgta 240
gcttaagaaa aacgtcattt cttcttcttt ctttcttcca aatccatttc taaagttcca 300
agaactttct ccatcaccca cagccaccat tagccaccac ataccatcgt tgggtctccac 360
accgagagga acccttcaac cgaagcagaa tcttccaact tggcttggcg gttcggtaga 420
gaac 424
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<210> 34911

<211> 428

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34911

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cacacacttt ttcttagtcg atctctcact taattctcca tattctcccc ctttggtttt 120
gagtttatgc ttcatttgaa attaagttaa tcacttatgt gagttcttga tttaatccct 180
atttctgtcc ccctttggca tcaacaaaaa agccaaagtg cgtaataagt aaaaaatgta 240
catacactac taatcatata caagacattc attaaaaagt ataaaccaat catgaagcaa 300
gaaacatgaa tagatcaa atataaaaaa aatatagtca tataacataa ttcataattg 360
ttcaatcata ccatgcaa ataanagaaata ctanattggt canatgtcat aataatatag 420
attattta 428
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<210> 34912

<211> 472

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34912

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 catgggccac caggacatgg ataggtggac tatacatgat ggaaggaatt ttatggataa 180
 gtgcacactt tataactatt tttagaccat cattaatgac catattaact aatggatgga 240
 taattgtatt aaccttggaa aaaatgtgac aattgatgaa cctggtgtct ttatcattaa 300
 tgaatgtatg aacctaattg ctttgacagc ttatgcgtat gtagatttta aggganggta 360
 tttcaaaatt ttcatagaaa taagaactac catgatcaaa taagtgggca ataaggttac 420
 ataatctacg acatatagaa gtcaaaaaca tgggtgcacag aagtgccaaa ag 472

<210> 34913
 <211> 209
 <212> DNA
 <213> Glycine max

<400> 34913

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 acatatcgag atgctcgaaa ttgaatgtgg aatctctgag cccattcaaa cgaccataag 120
 tttgtactcc gatgtctgat tgagtcctcg gacatatcga gacgctcgaa agtgaatgtt 180
 gaagctctga gccaatcaaa acgacaata 209

<210> 34914
 <211> 232
 <212> DNA
 <213> Glycine max

<400> 34914

tcaacattca atgtcaagcg tctcgatata ttatgggact caatcagaca tccgagtaaa 60
 aagttattgt cgtttgaatt ggctcggagc ttcaacattc aatttcgagg gtctcgatat 120
 attacgggac tcaatccgac atccgagaaa aaaattattg tcgtttgaat tggctcagag 180
 gctcaacatt caattttgag cgtctcgata tggttacggga ctcaatcaga ca 232

<210> 34915
 <211> 354
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34915

agctntagca tategtatca tatggtttcc ttcttcaatt gccttgagtt gcttcatttc 60
 tggattaaat cccggcatct gccgtgaggt ccaagttctg caaccagttt cgttgagtca 120
 ggaagtagca tatgctaggt tgcacgaaga aaagcagaac gatgcatgaa ggacatttcg 180
 accttcgtca gttgtaggag ctctctcaag ctctcgacca tcgctattac ccactccatc 240
 caccaacccc ccactgttac caacaccggc acaaacagct tcttccagca ttccattcaa 300
 gagactaact ccagaagaat tggccttatg gcaagaaaag ggactatggg ttca 354

<210> 34916
 <211> 329
 <212> DNA
 <213> Glycine max

<400> 34916
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 gtccctgctta tcggagcaga tctgccttag atgcaagga tgggtgctaa gcgcttgaga 120
 ctcgcaactt agcgcattgaa tagagatgag cttagcgca ggcttgtgct tagcgaaagg 180
 actatctttc agataaaaaa tctctaagtt attcttcagc cctttttcct tgaaattgaa 240
 acccttatgt taagcattca aagattggct gatatactcc tatgtacata ttatataaca 300
 agttccacat gatttacatg cataaaaag 329

<210> 34917
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 34917
 agcttgtaac atgagctgaa gcataagaaa gattcttctt ataagttaga tgctgcggcg 60
 aagcttgatt gcttgattga aacctatgac tgaaactcat ttgactgtca gactggaaag 120
 ggctccctcc tgatggagta gatgcttcca aatacaaaac ttgattgaat tggagcaggt 180
 tgcatacctg tgtggaggta caggctgctg ctgccggagt gaatgaaatg cgtagttgat 240
 gcactggagg ttaattaaaa cattgaatga gaactggcag aagcaacaga cgcagtggat 300
 gacgatgatg tactaaatgt ggaaccaaat gcacacttgg cgggctgcct actaaagtag 360

aacttggacc acattggagc taacacatta tacc

394

<210> 34918
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34918

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ggttattcct cagatgccta ttggactcaa taaaatcttc caattggatg tacctttagg 120
ccttaacccc gattttgggc caaggcagag ggcggtttt cgcaaaggct attaataaaa 180
aagtttggtt gtaatgttgt aaccaaattg tgcctaacta ccaccgagtc aagatttaga 240
atatccaagg ctgccttccc aaacctttcc atgaaagacc gcactgtttc cttcttttct 300
tgttgctaac ttactaagga gaccaacacc atgtgatgtt gactagttgc aaactgaagc 360
ccaaacctca tgggctcaaa acagntatg gatcctcgtg gagtccagtg aaccaactca 420
cagctgtttc tttgagtgat n 441

<210> 34919
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34919

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atttgtgttt gtgtttcatg ctgtcaattt ccaggttgtc cttgtaatat aatagtttgt 120
gaattggagt ttgtgtttat agcaagagaa tggatgagtc aacaaacagg cataatgata 180
atttgggtgt gaacaaaatg gggaaaaaca ttaggaagac caaaagagac cagcccaatt 240
atggcatgaa caacaacagc aacatgaatg ggggtagaca gcaacagcaa cacaacagc 300
ctcagcttta caacatatcc aaaaatgatt tcaaggatat tggtcagcag aaaaaaaaaa 360
ttgattacga tcaactcctaa ttntaacaaa cataaattat ttatatttca atattaacac 420
atgtatg 427

<210> 34920
 <211> 440
 <212> DNA
 <213> Glycine max

 <400> 34920

 tgccccaacc ttgggaatga gctatagaaa taaccaatat aactccctct agttcagctg 60
 aaaagaaaga aagataccca catataaaat atatcctcct aagaaagcac cagagtcac 120
 atgagataac ctacatata taagggaacc ctgaaatgat ttactagcc ttacgtgcat 180
 gaatattgat gttaaaagct ttgatgacct gaaactcact caaagaggat ctcatacagc 240
 ttaaagtaag ataaccagcc ccaagcaaaa tatgagcaaa cataatgac attgcttgct 300
 gctatgagac aaaaagatta tgaaagtagg cttgattgtg gcaatattag attgcccaca 360
 ccacaaagat aaaaccagca agaacaacat ctttagcatg cgggcgaaca actgccaaca 420
 tccaggataa gatcaatagg 440

<210> 34921
 <211> 263
 <212> DNA
 <213> Glycine max

 <400> 34921

 agcttcatgc tgctcaattg ctccacgttg ctgcatggaa aggcaaaggt ctgtatggtg 60
 gtcagcagag gagcacaac cacaaccct tgcgacaggg acagatttct gattcaaggc 120
 cagctgggtt accaagttaa ccaatgcac cagatttct tcaagcttct taaattcaga 180
 tgatgcagat ggggtttag ctacctcatg cactactcta atgactatgg catcagttat 240
 ggcgctaaac tgctgggagt tgg 263

<210> 34922
 <211> 320
 <212> DNA
 <213> Glycine max

 <400> 34922

 agcttgccctg ttgtgttttg agtactgtaa taggggtgtt ttacagttcc ttgaaaaaa 60
 ccttgaaaat gagatgttgt aaaagttatc tttttataaa attgatgtta ttttcctgac 120
 cttcgttgaa ccccgatcac attggcgaga tcggaatttt aaaatgacat ctcctttag 180

tagaatctga aacactcctc agtcctttat gttttgacag gggtaattga tcctaaatgt 240
 tggtattaac cttatTTTTT aaatatatac taaatttctt tcaatttggt atataaaacc 300
 ttgcgtttgg attgacaaac 320

<210> 34923
 <211> 246
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34923

tataagaaca aaatttctc aatcatatcc aaatacgcat gctaattang aagcatcaac 60
 aagaatcaag ccaaggctat tgtgcangca atcaatgggg gcaaaacaca ccaaatgatt 120
 atgatgatgg atgggtcaaa ttctcacaca ggtaaactca tcacttttaa attgagcttt 180
 caaaactatc atgacatgta gaggagaatc aaggatttca agtcacaaca tgtcaaaaac 240
 ttttat 246

<210> 34924
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34924

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 ttctgctggg ttgtgctctt tctgctatg cgtcttcttg ctgcataaca cctcttctc 120
 ttctcttctg atcatcacca cttcacaatg tcgtcgaagt tcgacccctc ccattgacgt 180
 cttcatccgc ataaccgatg gcgagggttag tgcgacgagt tccctcccag agcgtgagaa 240
 tgaagagaag gggtgagagt cttgatccgt cgagcgtgaa gatgagcata agaagagaaa 300
 tgagtgaggt tttaggggtg attcanaata acatcattct cgagcgtgac aatntttttt 360
 aacgtacaca acccatttca gc 382

<210> 34925
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 34925

nntaaatttg aattaaaaca ttcagaaact gctggtaatc gattaccata tatgtgtaat 60
cgattacata gtgcaaattt tgaattcaga ttttaatagc tgttattaat cagttttggc 120
cactggtaat cgattacatc ctctggtaat cgattaccag agagtaaatt tcttgaaaaa 180
gacttttttaa cttaaatttc ttggccaaac cttttgctac ttcaattgga attcccttcc 240
tattaaatat accctttcta agactctaga gactatcctg atcatccatc ttgaatatct 300
ttaattcctt tgtcttgaat aaagctttga gacgcatgtg aacctttggc atcatcaaaa 360
cattcagctt gatcctttgt ctacatat 388

<210> 34926
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34926

tgcttcagga tttgaaagtg agacatttcc tcaacatggt ttcaaactca aaaaagccct 60
atatggactt aagcaagctc ctagagcttg gtatgaaaag ctaagttcat ttctcttgaa 120
aatggctttg agcgaggaaa gggtgacaca acactcattc acaaaaacta tgattctcag 180
tttttattag tgcaagtata tgtggatgat atctcatttt tagtgctact aatgaaattc 240
tttgtgaaga tttttctaag tagatgcaga ctgaattcga aatgagcatg atgggagagc 300
tgaaattctt tcttggatta caaataaaaac aaacacccan aggcattctac attcatcaga 360
ccaagtatgt gaaagaatta ctgaanaatt caacatgggt gtcgcaatat agataaag 418

<210> 34927
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34927

tatcctgtaa ctaccaagaa ccatctggta atcgattaca gcctgttgta atcgattaca 60
aggtcctggt ctatgggtatt ttgcatttaa aactaactat ttttcactca caaaacctac 120

<210> 34930
 <211> 338
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34930

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 gatgtccgat tcggggaaat aatatatcga gacgcacgaa attgaacaac ggaagctctc 120
 gagaaatttg aatggtcata acatttcaact cggatgttcg attcggggac ataatctatc 180
 gagacgctcg aaattgaaca accgaagctc tcgacaaatt agaatggctc taacttttca 240
 cgcgaaatgtt cgattcgggg acataactca tctagacgct cgaaatngaa caacnggagc 300
 tctcgagaaa tttgaatggt cataagtttt cacacgga 338

<210> 34931
 <211> 392
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34931

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 ttgagctgcc cggtagtat aatgttagtt ccaccttcac gtcttgatta cctcttttga 120
 tgcagatgta gaatccgatn tgaggacaaa tctttctcaa gagggagaga atgatgagga 180
 catgaccaag agcaagggca aggatccact tgaaggactt ggaggaccta tgacaagggc 240
 tagagcaagg aaagccaatg aagctcttca acaagtgttg tccatactat ttgaatacaa 300
 gcccaagatt caaggagaaa agtccaaggg tgtgagttgt atcatggccc aaatggatga 360
 ggactaaatg acaccacttt gtctcnaatt tt 392

<210> 34932
 <211> 428
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34932

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aatctacacc tgttgcaaga gtctgtggta tatgttcttc tgcagatcac catacagatc 120
 tatgtccttc tttgcagcaa tctggagtca atgagcaacc tanagcttat gctgcaaaca 180
 ttataaatag acctcctcag cagcaaaacc aacaacagta gaataattat gacctttcaa 240
 gcaatagata caatccaggt tggaggaatc atccaaatct gagatggaca agtcctccac 300
 aacaacaata gcctgtccct cattttcaga atgttgctgg tccaagcaag ccatatgttc 360
 ctctccaat acagcagcag tcacaacana gacaacaagc aatttcaacc ttccttagaa 420
 gagttagt 428

<210> 34933
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34933

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 gtgccactcc ttgattcana ttaactgca gccgggaaga gttgtccacg tcgttggtt 120
 gaatggaaga acaaggaaga tgggctaggg ttcaatttgt aacgaagagg gtctagggtt 180
 caagtgttac gagctcgagg tttcaaata ctaagctagg gttcaaattg taacgataaa 240
 gggcttcaat gcaagggtggg agctgagget ctgctattcg aacacgtgtt tgtatttttc 300
 cccaattacg acggtcttta acttanacct gccacanact ntattgcatg taacattcta 360
 anggcggttt taataaccgt cttggaatgt gcacgtana atgtaattnt tttacaatt 420
 attacaaaaa t 431

<210> 34934
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34934

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 tcagagtctt gttctgccac cgcttctcct tcattctcct ccactttctc ttcttcaact 120
 aaaccagcac catcatcatc cacaacaaca acagcctctt cttgtgcaac agcagcagaa 180

attctaggtc cccacaactt gtgcgaatta atggacaaag gttccaccaa gtgtgaccca 240
 aacatgccac ggtttgaggg cactgttggt atgagagggg ctattatgga gcagttcttg 300
 gaggaacgaa gacatttgac actgttaata gaagaagaaa acaaggaagc tatgcctgca 360
 gcagcagtggt cagccatggt gttgttggtga tgtaatgcaa ctcanaagtg tacattacaa 420
 gt 422

<210> 34935
 <211> 192
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34935

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 atactaagct ctcaaaatac ctgtaaatc ttcagagaan aagactaaag tattgagtga 120
 tatatatatta tatgtaagac gatcatgtat tagtcatggg gtanactttc aatgaatctt 180
 ggtatttttt tt 192

<210> 34936
 <211> 389
 <212> DNA
 <213> Glycine max
 <400> 34936

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 acaactatga tggaagcaca atggagataa gctgaactct aagttgtgtc tcacaagact 120
 ctcatcctc caagttacaa taagtgttac acatgcttct atttatagac taagtagctt 180
 ccttgagaag acttcttgag aaaacttctt tgagaagctt ctttgagata actttcttga 240
 gaagctagag cttatctaca cacacccatc taataactaa gctcacctcc ttgataagct 300
 agagattaac tacacacacc cctctaataa ctatgctcac ctcccttgaga agagaagcta 360
 gagcttagct acccaccctt ataatagct 389

<210> 34937
 <211> 255
 <212> DNA
 <213> Glycine max

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2
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<210>	34938
<211>	74
<212>	DNA
<213>	Glycine max

```

ttgtagaggt taacgaaaca acgagatgat gcgctccatg acatgctgtg tcagatggat    60
aatcgagacc atat                                                    74

```

<210>	34939
<211>	377
<212>	DNA
<213>	Glycine max

cgtgatgacg	acataagttc	aagtcaggaa	tatatatata	tattatatat	atatagcatg	60
tcgagagaca	aatgtgggga	aaagttaatg	tgtgtcttga	agaatccatg	ccatatggat	120
gctacagagt	gaaagggact	tgttttagtg	tagagagatg	aagaaagctc	tacgttaatt	180
tggaatatga	tttgggtgtt	ggaaggagaa	ccgtaaaaga	gggtgcaaga	gtttttcaac	240
gtgttccaga	ggcttcatgt	gttactttgt	caacatattg	gtcatattca	tcggactaca	300
gcttttctct	ttaagtaatg	ttttgggcaa	tttcacacta	agttgggatt	aagccaata	360
tcaataccat	acctact					377

14554

```
<210>      34941
<211>      380
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      34941
```

```
<210>      34942
<211>      414
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      34942
```

<400> 34943

<400> 34944

<210> 34945
 <211> 226
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34945

tgtagaattc accccaattc cagtgtccta tgctgacttg ctcccatatc tacttgataa 60
 ttcaatggta gccataacct tagccaaggt tcatcaacct ccatttctcc gagaatacga 120
 ctcgaacgca acgtgtgctt gtcacggaga agccccggng cgttccattg agcatggtag 180
 ggctctgaag cgtaagggtc aagggtcta tcatgccggc tggctg 226

<210> 34946
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34946

agcttttoga ttcattctat gtgcccgtag tgggtccacat tgtgtttcgt gcatttttat 60
 tctcattntg tttacttttt ataccccttg ttgacatgct taagccattt tacttaagtc 120
 atttctcgct taacttaaaa atagaataaa tttccaccga acgtttgaat tgtattatcc 180
 attaacttcg gtcaaaataa attccgaccg ttcggttgtg ccgtaaccac gttggaaatc 240
 aaaaagaggt aaaaaataat ataaataatc aaaaaatatc ttttttagtaa aataaagcgg 300
 aaaatcaatc ggacgttntc tctttgggat tcttcattct taatcgaatt gattaataac 360
 taaagtgaag ctaaggctaa aatcaactcg cctagtcaag ctc 403

<210> 34947
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34947

gtggaaatga tttctatata aaagttagtc gtataaagcg actaacacta ccatttctac 60
 atgggcaaat tntccaccag ctccataata tcaatactca gccaatatca gcccttctca 120

ttaccaccca ccctatcaac caagaacacc caatcatcca caaaggccac ccctaaatcc 180
 ctatatacca aacaccacgc gaaacactaa ccaatgaagg aagtttctaa ctaagaagcc 240
 tgtagaattc accccaagtt cggtgtcata tgctaactta ctcccatatc tactcaataa 300
 atggtaggca taccgcgacg caaggatact caaccttcat cttctgagga tgcaactcag 360
 acacaacatg cgcttatcat ggagg 385

<210> 34948
 <211> 335
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34948

atcttggtga gtgggtcttg ggctgctga tcatgtgtgg gctggctctg tattttgagc 60
 aatcaatgta aagggtgctta gtttgcctcat gaaacacgag attggccgct atgtggagaa 120
 tgctttgatt atcacaatat ataacaactg gatgggagca attgatatta aatcattgag 180
 aagataggtg agccattgaa actcacacgt ggttgaagta agagctcagt atttagcttc 240
 taatgataaa tgtgaaacaa taccctatct cattgatttc tatganacca aggatctgcc 300
 aatgatgaag caatttctgt gatggagttg gacag 335

<210> 34949
 <211> 365
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34949

ntggacgcgt ttaaagggtt taatgctaaa gtagagaaac aatgtggaaa ataaattaag 60
 attgtgagat tagatagaga ggagagtatt atggtaagta cacagagagt ggacaagcac 120
 ctgggccatt tgcaaaatct ctttaagaac atgggattgt tgcccagtag actatgtcta 180
 gttctccaaa ttagaataat gtggcagaaa gaagaaattg aactttaatg gacatggtaa 240
 gaagtatgag gagtaacaca aaacttcttc agttcttctg gattgaaaca ctaagatga 300
 ttgtgtatat atttaataga gttccaacca aggggtgtctc aaagacacct tttgagttat 360
 tcaaa 365

00507-9072460

<210> 34950
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34950

agcttgtaat gtttgttgcc agcagcattg aaggattcaa tgaattcaac attgttttcg 60
aatatcagga aacgttttttc atctcagcag aatccttgta tactttacca tattttttcca 120
tccactgctc atgtcttttcg tagatggatg catcatggag tttgcgggac tttacttggg 180
aagtgcaaat tgagagaagg agaagtagag ctaaaacttt cagggtttttg ccaatggaaa 240
tcctctcttt gtttagcaatt aatgacacta cgtactgatt aattggtgct agagaaactc 300
tattgagttt agtgtttggg gctagatgtg taaattggta tgctcctaag gcaatgtttc 360
gattagtata tataggatta ttgtcccttt aagggganna tatttaatct tagtcagaat 420
gaaact 426

<210> 34951
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34951

tacctgggtca tggattggca tgagttgtaa ggaaagatcc atagccaatt gtcaatatcc 60
ttaatgtgat aataatgtac agtatccatt tgggtatagt tatcttaaag tagaagttct 120
aaccatgatt aaaagaacat caccgaagat aattagcatt acagtgtgca gaataggata 180
aataatagtt acttttgctc cggaatatat aatttgttgg tccctaaaaa atgaaaatat 240
aaaaagtagt ctctaaaagt gtaaaaagtg cgacaaatat atattcggtt attaactcgt 300
cgaccaccgt taataaaata gcctacgca tatagagaaa cgaattagtc actaaaataa 360
ctgccaacat gatcatcttt aattgtcagc ataaggacat atntgtcata taatatttct 420
ttgacttttc atctttctac 440

<210> 34952
<211> 431

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34952

agctntgatg tgtgttgaga agaaatcaca tgtttgtcat catcaaaaag ggggagaatg 60
 tgaatgtatg tatacatgat tttgatgatg tcaaaagaag aatcatacaa ggctcatttt 120
 gcttcaagat taatacaaga ttttttcaac aaacaaagcc ttgattcaat attttttcaa 180
 gatcaagcct tgcctcaaaa tgtagagatt tcaagtcac caaggcacat gtaatcgatt 240
 accaatacat gtaatcgatt accaaggcac atgaaagtgt gtaatcgatt acacatcata 300
 tgtaatcgat taccagagac tctgaacgtt gggaattcaa attataactg tgtaatcgat 360
 tacacaaaca ttgtaatcga ttaccagtgg aaagtttttag agaatctgcc aacagtcaca 420
 tcttttcatt a 431

<210> 34953
 <211> 334
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34953

cttgattgag ctaagatcac atgttggttat tagttaaaga atgatgatat gaggaagtgc 60
 ttagacaaag taaatcacag cttcaaactc ctcgattgtg aagatcttta gtcatacgtg 120
 agttgtgtta ctttcttgag tacaagaagc caccttactc atgcaaacaa ggttttgcgg 180
 aaaggattga tcaagctgag tctatctata ctcttggtctg tgtgtgtatg gntctacaca 240
 tcttttattt gtgcatgaat cattgaaagc aagctagaat aagtgtttct agtctggact 300
 atgggtaggt ttctcttagg ctcttattca caga 334

<210> 34954
 <211> 386
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34954

agcttcaaag taaggaaaca tgcttatggc taggaatcca aaatttggtt ntaggattag 60

aaaagcatga aaataggagac ttttttgtaa ggatttgagc tgccccgtga ttggcacttt 120
gcacctaagt aacgtgggag atgctttttc aatggtgtgt agatatatgt gaatatatgg 180
cataagaata tgttgcaaag tgtgtgaata tatggcatga aaataccttg caaagtgaat 240
gaatagtaaa taatgcattt caaaaatgta tatttgtgga taggtagcgt aaaaatacct 300
tttaaaaaat gtatatttgt ggataggtag cgtaaaaaata ccttttaaaa tatgtatatt 360
tgtggataag tagtataaga agtctt 386

<210> 34955
<211> 312
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34955

tctatagaag gtttgttcct aatttctcta caattgcac acctctcaat gagctggtga 60
agaagaatgt ggcatttaac tgggggtgaaa aacaagagca agcatttgat ttgctcaaac 120
aaaagcttac taaggcacct gttctagctc ttctgactt ttctaanact tttgagctag 180
aatgtgatgc ctctggagtg gtagttgtag ctgtattggtt acaagggtggg caccctattg 240
cttattatag tgaaaaactt catattgcc aaccttacta cccacctat gataaagagc 300
tctatgcctt aa 312

<210> 34956
<211> 368
<212> DNA
<213> Glycine max
<400> 34956

agcttcgggtt gtggttacat tgacgtccct cagcttgttg cactctttcc cgaccttgat 60
ggacgacgtg ttgaactggt acttgaccgc ttgcgccctt tcaagattca cttttaagc 120
ttgcacctct tctctctgct catgggtttc aacctcttcc tcacttgaga tctttagctt 180
ctggagccaa gttatctatt gtgatctagc cttcagccac ttgtgataac cactgatgac 240
cccattgctg catccgctaa gctgcttatt ctttctttgc accgcacttc atgcttttcg 300
gacactttga aacgtccttg cattaggggtt actacaacct cgtgcatga aagggtgtgac 360
actttctt 368

<210> 34957
 <211> 79
 <212> DNA
 <213> Glycine max

<400> 34957

ggtgcacctc ttataccata tttcttctgg ctactgaca tagagggtgcg aatcgatcta 60
 ccttctccta cctgctata 79

<210> 34958
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 34958

agcttgccctt gactctctac atgaagcatg gcttgaaagt caaccttcaa aggcgcgatg 60
 cttcagaaat tgagaagtac ttcaaagttt agagaaatat tattgaatat tgctaattaa 120
 tattgttatg atttatatgg ggtgtcagaa ttatttctat acgtttttca attacaagta 180
 aggcttgatg taagtaaaca tatatactag gggatgcata atgttaatga agtttattca 240
 gtgtgttatt tttaaaaata aaattgaaga tgtagtttcc taaactataa atatatagat 300
 gtaactctcg taatagttat aataatattc atatcttgga attacataag gtgttaagca 360
 taaaaaaatt aataattaat atgaaataaa tcttttcaca tatatagata agtcatatac 420
 act 423

<210> 34959
 <211> 272
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34959

tccctcctgt ngtgcaagtc cacgtagttc aatggaccct tccatgatct aatcctagac 60
 catggtagct tggttgacta aggtcaatgt gggatcatgcc accaccaacg gtcaaaggat 120
 ctctgtcacc gccatctctg ttggtcacgc caccatcacc ttcttccttt gctgctggtc 180
 tccgctcaac ggcagccacc actcatcaat ctctctctgt catcatccac catgggtttt 240

cgccattcaa actgcgaaca aatagatgca gc

272

<210> 34960

<211> 420

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34960

agcttctaata gaagtgtgga gacccaaaat cattcatact tagacgaaat tgtcataaag 60

tgatagaagt cactgagaca cgccgataaa ggacaatgac aaaataggcg tctagaaagt 120

gcttcactag aaaacgaacg gcgagctaaa ggcgatggcc aaaaaacacg ttgaanagag 180

acaacgatag aataggcaat caaaatgatt tggtggaaaa tgaacaacaa acaaaaggag 240

gtggcaacca tcgtagagag agacgaacaa aaaatcatga accaataaag tgcataatnaa 300

cgtgttttcg tagtgggtcc aactaaatga tcatgtatgt atggngacaa aactccaggt 360

gtaggagcaa ccattatggg cgaccaccat gctagaatga cagccagaca ccagaaaact 420

<210> 34961

<211> 422

<212> DNA

<213> Glycine max

<400> 34961

tgtaaaaact taagtctgaa atttctctat agataatgaa catttatggt cagaccagac 60

caacatcttt tcacaataca gtgtttctga tatttttgac tcagaaattt ccattcatct 120

cattggaaaa gtccaacca catttcaactg tatattagat tcaacttctt gatatcatgt 180

gctaacgaag cacaagattt agactcatga tattgagttc gggatactca gaaatttaat 240

ctacaatggg cattttgttg aataaaaagc aggcaaaaat taaaatgaac aaaatcatgc 300

caataataac tatagaacat tagacaacac tgacaaactt agtcgcatta gccactaatt 360

gaataacaga gcttagttgc aaaatagtag taagccaata aacatacaca gaactagaca 420

at 422

<210> 34962

<211> 373

<212> DNA

<213> Glycine max

[illegible]

<210>	34963
<211>	426
<212>	DNA
<213>	Glycine max

tcacaaaaga	aaagtggata	atccacatat	tacaaaaggt	tgacttcac	attaccatcc	60
cccacaagga	aacttgcaaa	caagttnttc	tcaatagttt	ccctctcacc	atctcacaca	120
atccttctaa	taacaatagt	aaacaagaaa	agtggtcaatg	gatcaccttg	tcttaaaatt	180
ttttgagcga	aaaattcata	agtatttcag	caacatcaaa	tggtacttga	tgtcaaacat	240
cccttaatcc	aatgaatcca	cttctcatca	aaaccaaac	tcttcatata	gaacaagaaa	300
ttccaattaa	tcanataata	ggttnttcat	aatctaaact	aaagataaga	ctntntcttt	360
ttccttnttc	tttatcaatg	gtatcattca	ccgccaacac	actatgaagt	angaattttc	420
tcccaa						426

<210>	34964
<211>	421
<212>	DNA
<213>	Glycine max

agcttggtccc tgtgcctcct cctgagatat tgnnggtggtc tttccaatga taacatcctc 60

accagatact cgtgtgccct atttcataat aattaattag ttcttgtgaa attccttgag 120
gatagatcaa aaaggcataa attcagatat gcttactggt ggggcaagac catcatcatc 180
cagcttatca taagaaccat gtctcattcc ctgaaaaatg aaacttggtg agaaccacc 240
aacaagaaac caatactctt ttccaaataa aaattgttaa gcaagaatag ttatttgcta 300
ccaaacccaa atttctcacc atggtgttag ctctatcagg acggccacaa tcttctttga 360
ccagggttcc catcttcttc tcttcatctc tataanaagt taagaataca gcatatcata 420
a 421

<210> 34965
<211> 370
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34965

tataaatcaa tatggaagtt tgacataatc caacttttgc aatatgagat tctcgaagtg 60
ttgtcatttt aacctaatac aactttcatc tttggatgat taaacattga gtgcttagtg 120
tgctattctt ttgcttaaca aacttaattt gtaatttgat ctatatcgta ttttctcttt 180
atgagagtta tttgattgta atcattcaca cttgctgttt ggaaagctag aatgacttag 240
tgatccaaga atatttggat gttntccagt tttacgatga gattaaaggt gtggtagaag 300
tgattctaag aatacttatt gtaagtcatg agtgccagag aataatactt attntgtagt 360
cttttattga 370

<210> 34966
<211> 417
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34966

agcttgtaac atgagtttta tagatatggt ttatttattt ggttntaatt taagactaca 60
tgtgtttggt agttactgtg tgcaatattg tattgacagt gtaaaagtgt ggtgttactc 120
atttaataaa aatgtcattg ttgtattcct aagtaaattc aactgatatt tggatgcagt 180
aatgcttatc agccatcagg tttcagtttt atgttgaatg tatgtatact tcatgcaatg 240

tttatattta gtgtcttaag aagatgtggt gtaagtcaag tttagtgtga ctttgtatta 300
 catcctttct tgtggttaaa tggatgaca gtgtaatggt gcaactttta attctgagtc 360
 atgataatca acttctgagg ctattatcta taacacatca tcaatttgca tatgtga 417

<210> 34967
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34967

tgtattgcaa tcttgttctg tttgttaaaa ttggtgtcta attnttatat ttaattagtt 60
 ntgttgctct aatgattntt ttttccaatt aaactagtgg agagacaagc acatgtctgt 120
 ccacattttt attttttatt atatattaaa aatttatatt tacaaaaaga tgtgaaaatg 180
 aggaggatat gacagactat atagaanaat gatagaacga aattaaaata gtttatatga 240
 gttaataaat aagtaaatat ttgtaataat caatataaag aatactagca ggcataaatt 300
 aagaaaataa aaataattta tttcgtattc tagcctaatt cattacaatg tggaccaatt 360
 aaaatacgga tcacttgtaa caaatcttaa acagcatga 399

<210> 34968
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 34968

agcttgtatt tatttcttcc ttagtattgc tttcccttgg tatgtggtac attttgagca 60
 attgagatta tcaaccacgg tttttatgac atgatacttt atgaggagaa ccacttcctt 120
 ggctcgatat atgttttcaa cccatccttg gacaagtttc gagtccttat agcacctgag 180
 tttacttgct cgaacttcat ttgccagttt tagacctgct atgagtgctt tatattttgt 240
 ttcattgttt gatgccttga agtcaaattt gatggcatgc tccaaagtga cattggtggg 300
 tccttcaagc ataatgcccg cctcattttc tttcacattg gatgcaacat caacata 357

<210> 34969
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 34969

tcacacnaga taagtggata atccacatat tacaaaatgt tgactttcac attaccattc 60
cccacaacga aacttgcaga caagattttc tcaatagttt ccctctcacc atctcacaca 120
atcctttctaa taacaatagc aaacaagaaa agtgtcgatg gatcaccttg tcttataatt 180
ttttgagcga aaaattcata aggatttcag caacatcaaa tggacttga tgtcaaacaat 240
cccttaatcc aatgaattca cttctcatca aaaccaacc tcttcatata gaacaagaaa 300
ttcccattaa tcacataata aggtcttcat aatctcactt aaagataaga cattgttttg 360
tcctcttttc tttatcaatg ggatcattca ccgccaacac actatga 407

<210> 34970
<211> 329
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34970

agcttgcaat gaattatatt gtgtatgtac gagtctggtg tcaatctaga cacacaaacc 60
aaggccataa ttcaaaatag gtaagataga aatgatgata gtcattggca caaacattga 120
cttctgcaac tgctactaag cttgcaatca aagatattgt atatatagta attaaactttc 180
cattcagcaa cacaaatttg ctttatttgn ncgcttaaat ttgttagatt gcctattcaa 240
tctgaaatgt aaaattctat cttacatctt ttatttggac aatatgctac aaaagatgcg 300
acaagaagt tnactaaacc ttatattag 329

<210> 34971
<211> 318
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34971

tgtaggatta tggngtaccc atccacatgtg gtactagggtg gcgtgtcggt cgatgggtgca 60
caacaagttt tccacatgca caatgcgcgc ataaaccac catcctctgt tgcccaactc 120
caactgagct cacgtactcc cacgtagccc atactctcat ttctctcaac accgggttcc 180

catcaatcct cccaagcttt cacaacatnc aagcaaaaca tcattcaaac agcacaagct 240
 atcacagcca agataaacag agcgcaggca gaatactctt gccaaacacc aaccaaatta 300
 cagcttttct cacttaaa 318

<210> 34972
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 34972

agcttcagac tgctcaattg ctccaggttg ctgcatggaa gggcaaaggt ctgtatggtg 60
 gtcagcagag gagcacaac cacaaccct tgcgacaggt acagatttct gattcaaggc 120
 caactgggtt accaagttga ccaacgcac cagtttgct tcaagcttct taatttcaga 180
 tgatgcagat gggttttag ctacctcatg cactcctcta atgattatgg catcatttct 240
 ggcgctaaac tgctgggagt tggaggccat cttctcaatt aaatttctgg cttcagcagg 300
 agtcatgtct ccaagggtc caccactggc agcatctatc atacttctct tcatattact 360
 gagtccttca taaaaatatt 380

<210> 34973
 <211> 306
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34973

tgaatctctt tcaacttctt cttcttcttc tttgtaccaa aagtntctg aagttttctg 60
 gttttccaaa cttgaaaac ttgtgctatt catcttttca ttcttcttc cctttgcaa 120
 aaagaattcg ccaaggacta accgcctgaa ttcttggtgg ggctctcttc tcctttttcc 180
 aaaagaacaa aggactaacc gcctgaattc ttttgtgtct cccttatccc ttgtcaaaga 240
 attcaaaacg acacagtctg agaattcttt tgattcttcc cattccctaa tacaaaagtg 300
 ttcaaa 306

<210> 34974
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 34974

agcttctttg aganaacttc cttgagaagc tagagcttag ctacacacac ccctctcata 60
actaagctca cctccttgag aagcttcctt aagaagattc ctaaagaagc tagagcttag 120
ctacacatac ctctctaata gctaagctca cctccttgag atgagaagct agagcttagc 180
tacacaccn ctataatagc taagctcacc cccatgacaa aaaacatgaa aataaaaaaa 240
aagtccttat taaaaagaca actcanaatg ccccgaaata caaggctaaa accctatact 300
actagaatgg gcaaaatata aggcctagac gaaggaaaaa cctattctag tattttacaaa 360
gataagcggg ctcatactta gcccatgggc tcgaaatcta ccct 404

<210> 34975
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34975

tatgctacaa acatctacaa cagacctcct taacctcagc agctaaatca gccacaacag 60
aataattatg acctctccag caacagggtac aatcccgagt ggagaatcat cccaacctta 120
gatggctgaa tccttcacaa caacagcagc aacaacaaca accttatttt caaaatgctg 180
ctggcccaag cagaccatac gttcctccac caatccagca acaacaacag caacagcccc 240
aaaaacagca aacagttgag gtcctccgc aacctttcct agaagaactt gtgaggcaaa 300
tgactatgca aaacatgcag ttctgacaag agaccagagc ttccattcag agcttaacta 360
atcagatggg acaatnggct acacagttaa atcaacaaca gtcccagaat tctgacagat 420
taccttctca atctatct 438

<210> 34976
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34976

ttgcttgctc tattccaagt tcattaatca tacctttaag ccagattgct tccttcactc 60

cttcagctag ggccatgtat tctgcttcag ttgttgaaag agcaacaact gattgttgat 120
 ttgctttcca attgattggt ataccacaac aagtaaacc ataccctgtt aaggacttcc 180
 ttgtgtctac atttcctgca aaatctgcat ctacatagcc tgtgactact gcctcgtgtg 240
 ctgtcttctt gtaccttaaa ccagctttca aagatccatt tagatacctt agtgtccact 300
 tcacagtttg ccagtgtgag cttgcaggat ttcccatgaa tctgcttata atacttacag 360
 catgagctaa gtcagggtctg atgcaaccat tccatacatt atgcttncaa caccactg 418

<210> 34977
 <211> 344
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34977

tagtgatgca agttcacaag ctaagaattg tgtcatttct agaaatggaa cataaacatc 60
 aaacttaaaa taataatatg aaaaacacaa tgagctcaag agttttatact gaagatgcaa 120
 atgtgggatg aaaattattt agatggatta tataattttt cgactaaaga attaattaag 180
 actcatttta taattntctt atgaaatttc atattttatt atcatgtaan taatttgaat 240
 gactcattat atngtttttt catcactttt tatggttttt aggctttcta agtagcttta 300
 atgggatttt tattcgtaat gaaaaataaa tggttaataaa aatt 344

<210> 34978
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34978

agcttcaagc tgcattgtcca attccatttg atgaagccaa tttgtggaaa ggccaaagtg 60
 gacctgagct aaaacagata attcaacaac aatttagaaa catcaggtat tacttcaaac 120
 tagtggaagt ggactgagct ctgtctagct aaatattatc cattaataac ttgcagggtc 180
 ntgttggtgc ttagtctctt gtaagcatgc atcatactgc taaaaaatga caattgatta 240
 ccaatgatgc gtagtaatgc ttacaaaacc atttttgtgg aaggaatcat agtatatata 300
 ggttgatgc tatctaaaat cccatcattg atattnttag tcctacagta tggnttttct 360

tttcatcttg agtntntccac atactgatgg atgctaaatt ggtttggttt atctggactc 420

<210> 34979
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34979

gtcatccaat atatgcatga tgtcaataac gcacttagta aacctatcac accaatcaat 60
cacatatgag tggcttgtgt acagactatt tactctcaat gttttattct aaatagagac 120
gtaggattga tttgctccat tttttggact gatattaaat gtccattaaa tattaacgaa 180
tttgaattat gcgtatgagt tatgcaaag aatctagcca tatcatatat atatatagaa 240
cattacatta cagcatgcta atcaattctc cttcatcatg atcattacga ttagcatgaa 300
eggcgtcagc ttctttcttct ccgacgacgt tatgagtgat ttgcacggtc aaaggactaa 360
catangagtg catgtatgaa tcatcatctt ctacatt 397

<210> 34980
<211> 230
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34980

agcttatatt gttgtgatna ctctacaata ctctcggtag tagctcttac tagccatgag 60
gtttggatta cgagtgcact ttgtgagaga ttattgaaaa cgcataactca catttaggtt 120
taatgcagat tcacggccttg ccagctggac tttaagagag atgataactc caaacatcta 180
atatccgtat cttctatgta tgactaatgt actcaaacgg tgccctctta 230

<210> 34981
<211> 309
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34981

ttnnccgttg gcacngatg nggtgccacg gaggacacaa actttttgac tggatgcaag 60
ccttcactcg actatatctc tattaccgac tgaaacgggc tggatgtgga tcgatacgtt 120

agttttatgt atcggttcttc taaggctatc ctcactctgaa ctggtactta ttcacaatgt 180
ggctgggtag atatgggaca cactgacggg tcatgtcccc ccagagtctc cgatattaca 240
ctcactcatt caactgctac tatattcatt ataaatcatc caataaacgg catcttgccg 300
tagaatata 309

<210> 34982
<211> 286
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34982

agcttttagt atganatcaa cttgatgatc tatgcttggt gaaggtggca ttccatgagg 60
agtctacttg ggaaagacat cttcttattc ctgcgataag gagtgaacac tatgagaaac 120
ataaatacgt aactgattaa aattatcact ctctctatct tgtatatgac ttcatctctc 180
aagcgatca ctcttccttt ctctatccct ctgtgatgcc tactattgtc actctcttgc 240
tctctctttt ctatccttct gaatgggcta tcacacactt ctctaa 286

<210> 34983
<211> 258
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34983

tctcctattt gtaatggagt ggggtaccat tactggaaaa ctcgatatgcg cattgttata 60
gaggcaatag atttaaagt ctgggatgca tttgaagtag ggccttatat tcccaccatg 120
gttgctagga atactacaat agtaaagcct atggaagatt gcagtgacga agaaagaaga 180
ctaagacaac acaacttaga attcagcaac atattttcat ctgccctatg aatggatgga 240
tactttangg tattcaac 258

<210> 34984
<211> 341
<212> DNA
<213> Glycine max
<400> 34984

agcttgtcat caagttcttg atacaagaac acatatggat ggcggtatat attaacttgc 60
atgggctgta tgactgcaac atgattacac tgaatttggt gtagtatgac cacaacaagt 120
tatggaacaa aactcagata taatttctta gaagccatta tatcatgctc taattaaaat 180
tgaagctaag cttctataat gtgtattaaa ggtattatta gagaattata tgaattaact 240
atgtgaaact ttaatcttga ttgaagaacg aacatcaaaa tttgcatatt aatcttatcc 300
tttttgatag attggttatg gtgctattgt ttaaacaatg a 341

<210> 34985
<211> 389
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34985

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gagtctaagt ctatttctcc aagaaaggat attttagata atattgcaga atctttagaa 120
taaatgcaca ttcattggaca agattctaaa ggaaaaggag aaggaagcaa tgaagatcct 180
ccagtagaag tcaaagcaaa taatgatctt ccaagagagt ggaaagcttc aagagatcat 240
ccncttgaca acattattgg tgatatctca aaaggggtaa caactagaca ctctctcana 300
gatntatgca ataacatggc ttttgtatct atgattgaac ctaanaattt aaatgaagcc 360
ataatagatg aaaatggata atagctatg 389

<210> 34986
<211> 374
<212> DNA
<213> Glycine max
<400> 34986

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gcaaaaacct caatgcccaa catatataac cttctctttc tgctgggatg tgctctctcc 120
tgctatgcgt cttcttgctg cataacacct cttctctctc ctcttcgatc atgaccactt 180
cacaatgtcg tcgaagtctg acccctccca ttgacgtttt catccgcata accgatggcg 240
aggctagtgc gacgagtacc cctccacagc gtgagaatga agagaacggc tgagagtctt 300

<210> 34989
 <211> 322
 <212> DNA
 <213> Glycine max

<400> 34989

gatggtgcct actcctttct ctcatacttt gccttccact gcatgagcat ggaggttatc 60
 taccattgca cgaccggatt tgagctttga gatgcttact gcctatgagg atccacacgc 120
 aagatcccat tgataccctt ggtgggtagg attgcatcgt gatgtgacta ctttaccttt 180
 agacaaagcc ttgatttatg ctcgttatcc ctatctttac tacttgtgct gagctggaat 240
 acatatatgg cgattcagga tgtgcccctg atctgtgttc atcttcatac gctttccata 300
 cattagcatg gacctgttca at 322

<210> 34990
 <211> 241
 <212> DNA
 <213> Glycine max

<400> 34990

ttcttgtgac tcttggccat atgttttata aactagtcac ttataatgtt gagacttttg 60
 aaagaatctt cagaaacaag acacttagag aattatgact tttggaaatg aatttttcga 120
 aatcatacac tggtaatcga ttaccattaa tgtgtaatcg attacacatc aacatatgtg 180
 actctgcatt ttgaattttg agaagtaaaa cgttcaaagg ctcatgtaat ctattacaag 240
 g 241

<210> 34991
 <211> 184
 <212> DNA
 <213> Glycine max

<400> 34991

gtttatatga cacactcgtg acatgccacg atgtatgttg tactatgcct ccaagcgcac 60
 gcagcgacat aacaaatgag taaataccgc tcgtatgagt gcagagagtt atgtgttgaa 120
 atgagcccct ttgctcacat catactgctg caaagcatgt gcatcgccctg ctgtgggtatt 180
 ggac 184

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<223>      unsure at all n locations
<400>      34992
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agcttaattc	tacacatgan	aaagaggatg	agatagttgc	acaaaagaga	aagcttccta	60
acaaaaattt	tcatgcaggt	ggaccttctt	ctagtagtta	tgacttaccg	cagcctctta	120
tcctctttcc	attcccacct	agagcaattc	caaacaaaaa	aatggaagaa	gcggaaaagg	180
agatcttgga	gaccttcagg	aaagtagaag	tgagcatacc	tctgcaagat	gccatcaagc	240
atattccaag	atatgccaag	tttctaaagg	agttgtgcac	ctacaaaagg	aatctcanag	300
gcaatgaaag	gattagcatg	ggcagaaatg	tgtcaacatt	gataggtana	tctgttcttc	360
gcattcctga	gaaat					375

<210>	34993
<211>	313
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      34993
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caacagtcac	atctttttat	gtggttcttg	aatgactatc	aaaggcctat	atatatgtga	120
cttgagacac	gaatttgcga	agagtttttc	agaacaaaaa	ggtcttatcc	tcttataaag	180
aaaaatcggg	ttatcctctt	acaaattcct	tggccaaatt	acttatgatt	caataaggaa	240
ttatttgagt	gctcanattg	ttcaatctat	ctttttcaag	agagatttct	tcttttcttc	300
ttcttcattc	tga					313

<210>	34994
<211>	446
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      34994
```

gaagctttgt tttcataaaa catttaaaaa aatttcacaa cccaatcca atcctttntt 60

tgtggtat ttt atataacttc aaaagtttct atattctaaa attattgtca cttttgaata 120
tattaggaat acacttgagg aatatggatc tactgaggag ttgctgagta tcattaatgg 180
gtctatcaag tctaccaatt cacaaattca ggtaatcgac aataacttat ggntataatt 240
atatacttga tgtttttttt ttattttctaa ttaattattc taaaaataag ttacaccaag 300
gatatttttt gcaaccatta tttttgggag ttcttcccc atcaaaatat atgtgcaaga 360
gaggtgtgaa aaactcaagg caaataatat ggggagatgt agaccaatat tctaaacata 420
ttanatgtag aggatgtgaa tcttat 446

<210> 34995
<211> 302
<212> DNA
<213> Glycine max

<400> 34995
tacgtaagat tgaaagaaac atacatatat atttgaaata atttatattt aaaattataa 60
gggatttttg cataactaat tcaggtagaa tttagatata taggagggga aaatttataa 120
ttataaagaa gatacacata attaattcat gagaatttaa atttaacatt tttaaagaag 180
ttaataatga tgagtgtaga ctaacgttat tcataagata cttctatact ctaatttcat 240
tcatacgact ggagcagatg attcaaaaaca tgagaactta ggtgcaacat ctataataat 300
at 302

<210> 34996
<211> 139
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34996

agcttaagga gtgggctcgt gaaataggct atgtcaacta tttaacaata aagaanaaat 60
taaagccgga ctgaccctag cctagatgat tntgtgggtg tttcttcatg tgaattttga 120
gcattgctat gcgcacca 139

<210> 34997
<211> 277
<212> DNA

<213> Glycine max

<400> 34997

tatactcgat tctctgaaca cggggtcccg gtcaattctc ccaagcttcc caaacatcca 60
 aacaaaacga cattctgacc gcacaagcta tcacagccaa gcaaaacaga gcataggcag 120
 aaaactctgc caaaacacca accaaatcac agcttttctc acttatagac cccagtaaca 180
 attccttcgt tccggttcat taaccattgg atcgactcga aaatgttact ggagatctct 240
 aatacttaag cctacatttt gaccgctggg atctact 277

<210> 34998

<211> 359

<212> DNA

<213> Glycine max

<400> 34998

agctttgatg ttgttagtcg tcatttggat gtcgagagtg tcatcttggt ggattctgag 60
 aagaagatca ataaaatctt ggtcctctaa ttcagctcca tcttcttttg caattttggt 120
 ctttcttga tgctctctga tgatggtttc caggaccttg tcaacctgct tgtgcaactt 180
 cttcaatctg gtcacttttc cagttaggaa atataagaat ggaattgaag gatagacatc 240
 atcaaggctg aatcctcccc cggattctac gatttttctg atcaaagaca ccacaaactc 300
 atcttgctcc ttgcatatgc caccgactgc tatcctgtaa atagaggctc atatcaatg 359

<210> 34999

<211> 459

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34999

tgaagaaaga gtcatagatg cttttataaa atctataatt tatagtttgt aattgcagta 60
 ggtattattg aactcatcac ctcacgaacg aattctatta attattttta tacggttaat 120
 tctttggaca taaaacataa taacttgcac ttgaaggatc aaatcagtat aaagtaaaat 180
 aaaggaggta aataaggaga aattgtttat ctttgaagga cataatgaga aattgttaag 240
 aaaataatca aataactactg cccagttaga tacttttgact tggtgcccaa cagcaattag 300
 agtgcacga caatttctat tttgacttag tgtgcatgtg caacagcaat tatagctttc 360

aacggtcaag gttctcactg ccacattaac tattgttgac caagtggcac ttatatatct 420
acaatagtat tacacantat agaggagtaa cgatgacat 459

<210> 35000
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35000

agctttgagc atattcaaac gagaaataaa ttgactcgg atgtccgatt gagccctgta 60
atatatcgag acgctcgtaa ttgaaaactg aagctttgag cacattcaaa cgagaataaa 120
ttntgactcg gatgtccgat tgagccgtaa tatatcgaaa cgctcgtaat agagaacgaa 180
agcacgtagc aaattcaaac cacaataaat tttaactcgg atgttcgatt gagttctata 240
atatatcgag acacttgata ttgaaaacag aagctctgag cagattcaaa cgacaataac 300
tctntactac gatgttcgaa tgagaccgt atatatctag aatctcgt 348

<210> 35001
<211> 322
<212> DNA
<213> Glycine max

<400> 35001

cttatgaacg attctgggtt tctaaacctt gaaaacttgt acttttcatc cttttcattc 60
tctttctcct ctgccatata gaaggcgcca aggactaacc gcctgaattc tttttgtgaa 120
caagagatgg cacatctctt gtggatcagt tctagtggag ggtacatcca ctaggggttc 180
aaagagaaca agggagggtta catcccttgc ggatctttgc ttgtaataag attcttacia 240
ggttgaaaga gattccaagg accgcaggtc gctttgggac tggaggtatg cactggttgt 300
cgctgaacta ctgataaaac tc 322

<210> 35002
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35002

gttggatcga actccaaatt ttactggaag tctctagtagc ataagcctac attntgaccg 420
 ttgggatcta cta 433

<210> 35005
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35005

tgtaggatta tggngtacct atcacatgtg gtcctaggtg gcggtcgggc gatggtgcag 60
 aacaagtttt ccatatccac aaagcgcgca taaaccacac atccccctgtt gccacacctcc 120
 atctgagctc acgtactccc acgtagccca tctctcgtt tctctcaaca ccgggtcccc 180
 atcaatcttc ccaagcttcc aaaacatcca aacaaaacga cattcaaacc gcacaagcta 240
 tcacagccaa gcaaaacaga gcataggcag aaaactctgc caaaacacca accaaatcac 300
 agctttttctc acttaaagac ccagtaaca attccttctg tccggttcat taaccattgg 360
 atcgactcga anattttact ggaaatctct aatacttaag cctacattnt gaccgttggg 420
 atctactagc ataca 435

<210> 35006
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35006

agctntacat cagaatttag taatgaccca ctaacctaga attaaaataa cttaatgcca 60
 ttaacctagg gaattaaaaa aacttaatgg ctgagtgtaa ctgaaattgt ggcaacccaa 120
 agtcaccccc aacagccaac aagtcagcca ccatttggtc tcccaaaagg ctgatgccta 180
 ggttgccaat tgggccctta ttacaacttg aactaaacct aactaaagtc cttttagtgt 240
 attaacccaa aacatatttt tggtcagcca actttacaag gattgggcca ttatttagac 300
 aaactaaaca ctctataatt gaaacaaagt ggtgtcattt agtcctctc catttgggcc 360
 atgatacaac tcacaacctt ggacttttct ccttgaaact tngccttgta ttcaaacagt 420
 atggacagca c 431

<210> 35007
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35007

tcatgagaga gtcaaagatc aaattgagag gaanaataaa agctatgcta aacaagccaa 60
 caaagggaga aagaagggtg tcttcgaacc cggagattgg gtttgggtgc acatgagaaa 120
 agaaagggtt cggaaacaaa ggaaatcaaa gcttcaacca aggggagatg gaccatttca 180
 agtgcttgaa agaatcaatg acaatgctta caaagttgag ctgcccgggtg agtataatgt 240
 tagttccacc ttcaatgtct ctgatttata tctttttgat gcagatggag aattcgattt 300
 gaggacaaat cctttctcatg agggagagaa tgatgaggac atgaccaaga gcaagggcaa 360
 ggatccactt gaaggacttg gaggacctat gacaagggct agagcaagga aagccaagga 420
 agctcttcaa caagtgtgt ccatactatt tg 452

<210> 35008
 <211> 260
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35008

agcttctcct ctattntgct ataaataggg gaagaagtga agaagaaaag ggttcagccc 60
 cttaggcact tctctctctt tcgaatttgc ttaggaaaat tgtttccgtg aataaaatcc 120
 aagccgaggc gcttccgtaa cgtttccgta acgtttccgt gagtaattac gcgaagattc 180
 atcgttcgtt cttcattttc ttcagtcttc aacgggtaag tacctcagac caagcttttc 240
 aattcattat atgtaccgcg 260

<210> 35009
 <211> 176
 <212> DNA
 <213> Glycine max

<400> 35009

tctaaggatt atgccgcgta tctgggaatg tatgattgaa tgtgatatca gttgatttgt 60

gcaccactag cttttgattg atctgaacct tggagatttc gagttcacat tgtgggaatt 120
gagcgaacat attacatgat aacactcatt taaatgatca tatcatgata aagtag 176

<210> 35010
<211> 330
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35010

tagctntgga atatgaacag actgaagtat ctactctgat ctgtgactcc aagcagttga 60
agaagttgga tgcaataaga tcaagactaa tatctttaca aaatattatt tactttgaag 120
atgataacga agaagatgct ttctctggaa gttcaagcgg ctggacaatt gcatctttta 180
gtgaagttga gaaacttgag aaagaaagtc ctgttgagcc aagcctgcct tccaagaatg 240
ctattgcagt tatcatgtac acaagtggca gtacaggtct gccaaaggtg tgtttcttta 300
tcaagttgta gagaaatcta tctatgtgat 330

<210> 35011
<211> 454
<212> DNA
<213> Glycine max

<400> 35011

acgctattga gtgacaacac attgatagac gtacagaacg ttattgctat cgtttagcgc 60
cttgacctcg ttgacatgca agcgtcctca atcacgaaga ctggaacaaa cgcgatgcta 120
ttgatatagc gagataaatg aggctcagca cagtgactgg tggaatccct agcggagcag 180
actcatcgac tagttaggcc gcgagctatg caagcatcaa caattttagt gaaagtactt 240
catgacatat atcggaactg actaacatat cagacctgac gcatgatcaa accaaattcc 300
tactgcactt gtcttagata aaagatcatg ggaaatcctc gtattctgta gtccgaacca 360
tgagccactc tatgtgcaga acgctcatgc gattggctcag cagcttgccc tagtgaacgt 420
gatctattag atgatgaatc ttctgacaac accg 454

<210> 35012
<211> 306
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35012

agctntacat atttgtnta naatctatag cggcataact gcactgttaa aggtcaatca 60
gtagatgcac attatgttga ttcaaccagt atgtgttctt gccaggaaat tgtgccgctt 120
angaagattt gtcgccggcc cgaaaccgat tatcggttac agcaacttca tgctgtgaat 180
gaggcagcac ctgtggatca gcagaagact ggcattggatc cagcagcata tgttaatgcc 240
gtgagggcta ctactactga aacagtgcc aagcagctga ttgcagcaaa cattcatatg 300
gagacg 306

<210> 35013
<211> 240
<212> DNA
<213> Glycine max

<400> 35013
gtgagccata atcctgactc accataaacc ttgtccctgt gtgataatgt ccatacctac 60
cctcgaggagc gatgaagatt agacgggaaa tttccgatcg gagcacaaga gaaggagaat 120
tgcccacgaa agcaaagaaa gaaaagattg aaccttcccc agtcagacag tgcgagaatg 180
cttgaaaaga tcagagagaa tgcttcccaa tctgagcatg ggagagagca taatgataag 240

<210> 35014
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35014

agctntgctt ctacttaggt cttaagtata acttactaag cataagtcaa ttgtgcgacg 60
gtggttatat tgtatccttc aacaaagagt aatgtatagt caagacaaaa gatgacaagt 120
cctttgttac taccaaata cacaacaatc tgcattgagat tgatctaata ggtctaagta 180
aacagaatgt gacatgtctg ctttctagag aagatgagag atggatttgg catagaaaac 240
atagtaatgt caatttgaaa cgtatttcat aactttctaa aaaagattta gtgaaaggac 300
tacctaagat ttgttgaaa acccatcttc tctgtgaagg atgtcaacaa gggaaataga 360
tcanaactta ttntanatct aaagatggtg tttccaccat taaaccatta cacatattgc 420

450

<400> 35015

<400> 35016

<210>	35017
<211>	250
<212>	DNA
<213>	Glycine max

tgaagganaa cttgatgcct tggtaacct agtaactcag cttgccatga ataagaaatc 60
tacacctgtt gcaagagtct gtgggtctatg ttcttctgca gatcaccata cagatctttg 120

tccttatttg gagcaatctg gagtcaatga gcaacctgaa gcttatgtag caaacattta 180
 taatataccc cctccatagc ggaacctaca acaacagaat gattatgatc tttcaagcaa 240
 cagatacaat 250

<210> 35018
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35018

agctntaaca aatctttctt tatggngaatt caaccatggt tgcttcacgt agttaacaaa 60
 cattgggtcat gttgagcaag caattttcaaa cttcataagg cagtcacaa actcttgctt 120
 agaaggacaa tccaccagac tttcccaggc ttocatgaca taatcccatg cattttttta 180
 ccaacaagggt ttttacattt ttctttcaca ttcttatcaa tgtgaaacaa acacaacaaa 240
 ttggtagact cagggaaaat agtttttact gcattcatca atgctaaatc tttgtcagaa 300
 acaatgactc cagagtgtgt gcacacgctc tcanataaat acttcgaaac cattcttgag 360
 ctcatacaac attgtttaca cgttctccct ccaagtagga aaaagcagct gaaaatgtca 420
 tccctggttg tgtcacacca aca 443

<210> 35019
 <211> 454
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35019

tcgcccctag ttgcgcattg tgtgtaaata catgatcctg tgtatgatga tcacggatac 60
 aaggcaacca gggaatgata ttgatgtgta tcttacacca ttaatcgaag acttgaaaaa 120
 attgtgggaa gaatgagtag atgcgtggga tgcaaatgtg cagcatacat tcacattaca 180
 cgcaatggtg ttttgtacta ttaatgatta tccagcatat ggaaatttaa gtggatatag 240
 tgtgaaaagg catcatgcat gtcctatctg tgagaaaaac acaagcttca tccaactcaa 300
 gcatggaaag aagacagtat atacgagaca ccaaagattt ctgatagctt ttcaccctta 360
 ttgatgattg aaaaaatctt ntaatggaag tcaggagaat gaaggctccc cagaaccatt 420

aactggaaac caagttcatg atcgggtaaa ggac

454

<210> 35020
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35020

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aagaaagact tcacatcatt tatgaattgc atattactac caaatatcaa tatgtcatcc 120
acatacaaac ataaaatgac acatccatta tcatcaaatt gtttcacata cacacattta 180
tcagtattat tgattagaaa accatacgaa agaacaattt gatcaaattt ttcgtgccat 240
tgctttggag cttatttcaa accatataaa gatttaacaa gtttgcaaac tttcttttct 300
ttccccgggt ctacaaagcc ttttaagttg ctcatataaa tttcttcttc taattcacca 360
tttaaaaagg gcagttttac atccatttga tgaaatttct aaataanaac acaagcaagt 420
gcaattaaga ccctaatt 437

<210> 35021
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35021

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ccttgagcat gcataaacc cttcagctc accatcttct tcttcgcca accccgcacc 120
aaacacaacc cataaccac caaaaatgaa actcaatgtt ccaaaattta atggcaccga 180
cccctctggg tgggtgttca aaaccacca attttttgcc tatcactcta cgctgaaacc 240
aaagcgctt accatcgct ccttcgctat ggaaggcccc gctcttacgt ggttctagt 300
gatgaccgc aaccaccagc tcccgacgtg ggtggcgttt ttgcaggcca ttgagacgcg 360
cttcgcccac tccccatagc aggacccaac aggaatcctc ttcanactca cacaacggng 420
ctcggntagc gattacctgc atcagttnga agctcta 457

<210> 35022

<211> 323
 <212> DNA
 <213> Glycine max
 <400> 35022
 agctgttcct tttcagcata ttcataatgtg acgcaaccta cccttcagcg ggagggcgac 60
 gtgtgactca cggatgtgtg tttcaacaaa ggaatatgca cggagtcgcc accaacgtat 120
 atttgaagaa aacgtctgac aaatcggatg agacgtgatc tacgaacttt tagtgaaaag 180
 ctccggagtc gcatttacgc acggagactg tattagcatc ccactcgtac atcactagag 240
 atggcagcct tatctcagac gtgcaaatat gacttaagtt tatgactcct tccctttata 300
 cattcttatg gcgtttttat gcc 323

<210> 35023
 <211> 460
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35023
 ngctctntctt tggeccata attggtatca caagattntt gtggctctgt ggcccttcac 60
 ttcaaaatta ggagtagatt atgcttgaat gaagaacatg tgttctgttc attaaatgct 120
 ggattaatat tcacttgctt tacttgtgct cagtttgata ttggttctca agttgttggc 180
 cagaaggaca cgtcaaagaa tgttctagac gtctggaaag aggtaacaga caccactctt 240
 ttaaattgtc tatttcctat ccagtaattg cctaacagta ctactttaaa tttaccatct 300
 ttagcattgc gtgatattct ttgtgtagat attccacaag agaagaacaa acaagacgga 360
 cagacaatct catagaggca agtcctttga atttgactcc ttgtactccc ttgtttcaaa 420
 ccggtaggcc atattttact gttttactca tttctccatc 460

<210> 35024
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35024
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accggaatg ggtttaggca aagacaacgg cggcataact agcttgataa atgccaaagg 120
 aaatcgtggg aagtatggtt taggctataa acccactcag gcagatataa agagaagcat 180
 cacggataga aagagcgggtg gtcaaagctc gcggttgagg caagatagtg aaggaagccc 240
 gccctgccac ataagtagaa gctctataag cgcgggtctg ggagacgaaa gtcaagtggg 300
 cgcgatatac gaagatgatg ttccaagtac attggaattg gtacgaacat gccctcctga 360
 tttccagctg ggaaatnggc aagtggagga acgccccggc atttacgcaa tgagcataat 420
 gtaaaccttt a 431

<210> 35025
 <211> 368
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35025

taatctacat gtccaagcct cctctcccat tgaacccaac actatcaccc aggcccttcg 60
 cgaccctgat tggcgctcag ccatgcaagc cgaatctgat gccttacacc acaacatcac 120
 ttgagatctt gtcagtcggg cctctgatca aaatttggtt ggctgtanat gggattttcg 180
 aatctaacga aatccagacg gatcaattga tcgttacaag gctctgttag tcgccaagg 240
 gtttcaccaa cgctctgggt gggactatac agaaactttt agccccgttg ttaaaccggg 300
 gaccattcgc attgtcctaa ctctcgcagt tcgtcaaggg tggcccatat gtcagcttga 360
 tgtcaaca 368

<210> 35026
 <211> 313
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35026

agcttataat aatgaaaggc atgaatcana tgtgataaac tgggtctcaac tagaggggat 60
 cccttttatc aaattctcaa tcatagtaat aataggcgac aatagtagca tcttcccttc 120
 gatccggaga cgacgacatc tccctaaaga tctgggtgatg atgacaacat atccacaaag 180
 atccagtgc aatgacaact tctgtgactt aagcaacttt aacagcacat tgtttgagcc 240

gaagtttaag agtggaagtt gtgtcgtcgt agtcatggag gcgatagatg aagacgaagt 300
caaagctgtg act 313

<210> 35027
<211> 128
<212> DNA
<213> Glycine max

<400> 35027

tgtggagttg aatgcaaagg aggaggaaga agaacctcgt gttgttcaca gctgagttgg 60
tggtggaatc tcgtggttgc aaagaagaag ctcatgtgtg gtggagctga acaatgatga 120
ggaagaag 128

<210> 35028
<211> 190
<212> DNA
<213> Glycine max

<400> 35028

agcttattgt ctactctttg gtctcaggtg agcccataag tgtggtacta gtataggaag 60
aacggagtg gttgaggcta gtacatttcg tgagccaagt actttacgat tgagaaacga 120
ggatcgtat tatggaaaag gtatccctcg cacttggttaa cgtcgcccat tgtctgtgct 180
aatattctct 190

<210> 35029
<211> 282
<212> DNA
<213> Glycine max

<400> 35029

tgcttctaca ccaaggaatt cttaagagga taaaatgttt ttactctttg agagaataag 60
actttctggt ctgaaaaaac tcttaacaaa ttcgtgtttc aagtctcata taaatagtct 120
tttgatggct atgtaaaaac catttgaaaa gttgtgactc ttggaaataa ttttctgaaa 180
atctcctctg gtaattgatt acaagatttg tgtaatcgat tacaggctgt aaaatttgaa 240
taaaagacgt ttattaactg ctattaatcg agcaccacta tt 282

<210> 35030

<211> 200
 <212> DNA
 <213> Glycine max

<400> 35030

agcttcagat atagatatat tggcactgca gactgagaaa gagcttgtat ggagcttgta 60
 tgacaattcc tatgaatagc attgtgagat tgaataccgg attacagaaa tgcataatcg 120
 ggtttgcata ttgcgactag gagccttgtc ttcatactgt gtctcatgca cacacttctc 180
 agttgtatct attataacct 200

<210> 35031
 <211> 166
 <212> DNA
 <213> Glycine max

<400> 35031

tcaatattag aagcatttga atcaagaagg ccaagtaa at ctctgattat tttcattctt 60
 gcgggtgcat ccttacagcc agacagatat ctgaaaatca gaggcaacat ttgaggaagt 120
 aaaaaatgac tacccttgct tctcaccctc tccacgtggt tatgtc 166

<210> 35032
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35032

agcttgtagg cctaggatct tctttatcaa tggactcctt tacttcttgg aagatgaatg 60
 acagtggaat ggagaaggaa gagagagaga ggagatgcca cttcaaggag aagatgagtc 120
 tagaaggagc tcaccacat aggaggccat ggataagagc ttggaggaag aagaagataa 180
 atgaagggag aggaagagaa gaacacgaaa ttttatgctt tacaagagct ctaaaatctg 240
 aagtttaatt ttcaa atgat caaagttcaa aaaaatacac acacatgacc tctatttata 300
 tcctaagtgt cacacaaaat tggaggaaaa tttgaatttc tattcacatc tcacttacat 360
 ttganattaa atttgtggag ccaaaatttc actaattatg attagtggaa tttagctatg 420
 gttcagtcca ctagtccaag at 442

<210> 35033
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35033

taaagtctca cgattgccat atcttgatgc aataattggt attcgtggcc atacgagaca 60
 tttttcctaa caaagtcaaa catgccataa ctcaatcgtg ctttttcttc aatgtcatat 120
 gtagcaaagt ccttgatcct gccaaagttag atgagctaga aaatgaggct accaatacat 180
 tgtgtcagat ggagatgtat tttcctcctg tgttcttcgg cattgtggtt cacttaattg 240
 ttcatctggt gagggaaatt aaatgttatg gtcttggtta tttgtggtgg atgtaccga 300
 ttgaacaata ctagaagatc ttaanatggt atacaaagaa tctacaccgt tttgaagcat 360
 ctattgtggg aaggtagatt gtagaagaag ctattgagtt ttgttcagag tacattgaaa 420
 aggcaaaact tgttgtgctt cccaagtctc gacatg 456

<210> 35034
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35034

agctttgaat ggaagaatat cccaacctat gttagtaaga gactaatagt atttttatgt 60
 acttcttgac attccccccc ttaacgtaat aatcaacaag aaacaaactt tcttcttacc 120
 aaacaaagaa gaaacaaact ttctgttgta cctctatctt tattttattg aggtaaccca 180
 gtactagctc tgatcacatc atcaccatct gatgggaagc gtaaatgttg atcaattgac 240
 aaatacaaac acgttatgtg atgtataaag tgtgaatatt tcattttataa taagttcaag 300
 cgggtgttta tctttttggt atgaataatc atatgcacaa tcctgagaag ttgangcacg 360
 aaaccatgat tatctaagat aactgacag aaataattga agtatataac tctttgatta 420
 atcatatacg gaaca 435

<210> 35035
 <211> 330
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 35035

tagcttgaat ctgacatccg tgtgaaaagt tatgaccatn tgaatttctc aagagcttcc 60
gttgttcaat ntcgagcctc tcgacatatt atgcacccga atcggacatc cgtgtgaaaa 120
gttatgatca tttgaatttc tcgagagtct ccgatgttta atttcgagcg tatcaatatt 180
ttataaccgc gaatcggacc tcaactgtgac aagctatgac catttgaatt cgacgagagc 240
ttccgttggt caatttcgaa tatcactata tgtgatgogc ctaaattgga cattcgagat 300
aaaagctatg accattagga tgtctcaaga 330

<210> 35036
<211> 244
<212> DNA
<213> Glycine max

<400> 35036
cataatataa cgacacgctc gaaaataaccg attgaatctc tcgtgacact caaaaagtca 60
taacttgcca cactgaagtc cgattcagtc gcataatatg acgagaggct cgaaattgaa 120
cagcgacgc tcttgagaaa ttaaagtggc ataacctttt ccactgaagc tctcatgaaa 180
gacaaatggt catacctctt cacactgatg tccgactcaa gcttataaca tatctatacg 240
ctcg 244

<210> 35037
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35037

agctntataa gcgcggggttc gggagacaaa ggtcaagcgt tcgcgatatg cgaagatgat 60
attccgagta ctttggaattt ggtacgacca tgccctcctg atttcagct gggaaattgg 120
cgagtggagg aacgccccgg catttacgca acaagcataa tgtaaaccctt tacggtttta 180
aaagctctat agttgggcct aggcctttaga gtttttcctt ttgttaaggc tttgagtctt 240
ttgtttttga atttataata caaggatctt tcttcactcg ttcttggtct ctaccattc 300
tcattcattt gcatgtttac ttctttttct gaaacggcag atccgatgac gaggcccccg 360

aagtactaat acctgggacc cgtctatcga cttcgagcaa gaaatgaatc 410

<210> 35038
 <211> 343
 <212> DNA
 <213> Glycine max
 <400> 35038

tatcagttaa gattatcaca gaccttgtat gcgtctcact gtcttcaaaa agatcatttt 60
 tactattttg caagtcttcg taatctttat gtagaacaac atggtttgtc tgaagatcat 120
 acctttcttc attaagctaa tcttgcaact ctttaagtac tttcaactta ttttgaacta 180
 cctcaatctt tgtgtctaca tcatgagagt tctataataa gatatccttt tctttggata 240
 gctgttcatt ttcaagttgg agcatgactt cggaattttg cctttttaca aatcattgct 300
 tattgaaata gattataaga cctaccattt tttcttctta aca 343

<210> 35039
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35039

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 acttttggtc caccattttc ttacacaaat ttogtggttt ctctattggt gatgatcatg 120
 gaggggttaa caattaatca atccaaggat ccaactgcaag caaagctgaa tttgagtcct 180
 ggtttggttt ttctactctg tgtgaatgtt cttctttctc ttcaatccta ttttcatttt 240
 tcatgattgt gactatgttc atgattgaaa attgattacg ttatggattc atttcctaata 300
 ttcaaaatnt aatcacagat tgtaggatg atcttncaac ataatttggt agttcaaaca 360
 atttagagat ttgattcgat tgaacttctc taatgcat 398

<210> 35040
 <211> 191
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35040

tacacaagca ttcattagtc caacacacac tcaacaaata gttatcatcc atccatagnt 60
 ccaatcaatc atgctcagta tgatgcatgc acctaacctc aactctcaaa tgcaatgtgg 120
 taccatcccc aaggaaatag cctaagcgtg tccacacgac actctcactt atgaaaacta 180
 tgcagtaagt g 191

<210> 35041
 <211> 247
 <212> DNA
 <213> Glycine max

<400> 35041

agcttgcagt atattcacac gagtcaaaag aaactgtatt ttactgtaac ctcgagtgaa 60
 tatacagtat attaacttta ggctaccata aaatcatttt ctcttgaatg atgatata 120
 ctcagcacat ttgtagaatc tatttttagaa taaaaaaagg gaaagaaata tgaaatgtgc 180
 atgatgtgtg atataataaa aagagatgac atgacagaca ttactctata aattagtgtg 240
 tgtgtcc 247

<210> 35042
 <211> 262
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35042

tattgttccc actaagtcta tgcctcacgc tgagagcctg gatgagctaa gcatgcctct 60
 tcagatttct aattatgctc ttttggactt tattttactc attaagcatc ataaattcat 120
 caactnttaa tgttttctac gcaaaaactt aaatgatatt aaaataacac ttattagccc 180
 acaatagaat atatatgaga gaacctcacc tacattgatt aacctcacta ttcactcata 240
 ttttaactcc aaaatacact ca 262

<210> 35043
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 35043

<210> 35046
 <211> 180
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35046

tccacttatt agtgcacagc tccttcaaga atttagcata tcttgtaatt tgctntattg 60
 catccagcag aggtatgttt acctgtactt ttctaagtat ttgcaagatc tctntctctg 120
 cctcttccat ttttttggtg gaaactgctt ttggaagaat ggaacaggaa ggatgtgctg 180

<210> 35047
 <211> 371
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35047

agcttgtaca tctctgtttc tctacctttc atcacanacc ctggtggttg agtgacaaaa 60
 acttcttctt ctagtgagcc attaagaaat gcagatttta catccatttg gtgtacttcc 120
 cagcaattga agctagccat tgctattaca agtttctactg tttccaacct agcaacaggg 180
 gcaaatactt catcataaac cagaccttgc ttttgcaaaa atccctttgc aaccagtctg 240
 gctttgaact ttgttacttc tctctacga ttcaacttag ttgtgtagac ccattctact 300
 gctatggctt tctttcctat tagtagctat gtgagactcc atgtcttggt tctctcaata 360
 gacctcaact c 371

<210> 35048
 <211> 367
 <212> DNA
 <213> Glycine max

 <400> 35048

tatcgattca tactatgtac cctcggtggt gcacattgcg tttttcgcat atatattctc 60
 gacttgttta ctctttatac ccctgttga cgtgcttaag ccagtttgct taagtcatat 120
 ctcgcttaac ttaaaaataa aatcaatfff caccgaacgc ttgaattgta ttatgcgcta 180

acttcgggta tgatgaattc cgaccagtcg gtcgtgagag taccacgttg gaaatcaata 240
aagatgtata atatagtatg atcatcacia caacatcttt tagtaaaata aagcggaaga 300
tcaatcggac gttatctcta tgagattcct cattcttcat ccgaatgatt aataactaaa 360
gtgaaac 367

<210> 35049
<211> 229
<212> DNA
<213> Glycine max

<400> 35049

agcttattca caaatgtggt gattgggttc cataatctag atagaggatc gataaaciaa 60
actatggaga ttagtgtatc ttataattac ctcaacagtg gccatttgga atgcaaagag 120
ggaaagtcac aatatgatga agtatgaact atgaaggaaa gctcgggaatt aaagacagtg 180
gttggtgactt tacctctagt tgaaagaggt tatttatata tgatactat 229

<210> 35050
<211> 480
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35050

ntgaacttgt atcgctgcat tacggacctt tgcttactct gcttgatgac tcatgacaca 60
cttgatttac aatctctgag ttcatagtgg ctggaaatac ttatgccgat cctttaggaa 120
tgagtccacg tataagaaca gaattgcgta cgtgctctag ctgtttgtga cctaataaaa 180
tccatggcat gatctagtga tggattacac tcttatggca tgggatctct agactgtaaa 240
ctctcttttg tttaaaggctc cgtacgcacc tcatgctctc tatgcactat agactttctc 300
gataacactt ataangaatg agtaaact atacacatgt ttctggagcc ttgtatcaag 360
atcgaggttt acgcatgtcg ttaccagtat actgacatga gatgctcact attgtataga 420
tgtccgataa atgtgatact attatgacac ttgagacggt ttacagttg cgagagtttn 480

<210> 35051
<211> 435
<212> DNA
<213> Glycine max

<400> 35051

agcttgagct cactgttgct gctccataaa gctccacgga atttgtctcg gccatgctct 60

tccttacgag tcctcttcgt ttcttggtcc aaggctttgg tggtagcttc atttatactt 120

ctcagttcgg cattctcctt tcggatcttc agagctgcta atttgaacct ctctttgact 180

atttgggctt gctcgagttt tgccctaagg gcctgcacct ctctgtcttc ctccgatgcc 240

tccacttctt cctttttaac ggttctcaaa ctcgggagcc aatccaaacc ttgcacgtgg 300

gctttcaacc acttacggta gccaccgatg ggcccattgt tactaccctt gagttctttg 360

tcctttcttt gcaccacctt ccatgcctgg cggaccttct gaagtgtttc cacgtcagtt 420

ctattgaaac ctctg 435

<210> 35052

<211> 419

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35052

nngcatattt ttctactct tctgttnngt aatttaattt tcctttgttt tccaacatta 60

anataattaa gaaatatatt ctttggtatg aataatcttt tggatgaatg tcatatctat 120

cgttatcttt tttttgttat ctttatgtgc attaatcttt ttaactctct cnattacctt 180

tgtatctata aatatattac tcatctttta atgagaatac acaattctca ttctttctaa 240

actctctttt tctctaattt tttttctctt attattttcc tccaattaca ttatatttaa 300

nagttatcaa cacgatcgtc ttttattcat ttagcatatt ttctcattaa catctcgact 360

tgttagaaaa aaccttgtag acaattntat canaaaggta atattttcac attcatgtt 419

<210> 35053

<211> 440

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35053

agcttcatga tgaatcaaca atgattcana agtggttttg tgataagaat gatgacaaca 60

aaagatgatg acaaagagga tgaacaaaaa tgtcaaaaga tcaaagaaca actcaagtga 120

atcaaagaac aactcaagt aatcaaagaa catctcaagt ggatcaagaa caagtcaaga 180
gtccaagaat caagaagaat tcaagactca agaagaaagc ctacaatcaa gaatcaagat 240
tcaagaataa agaaaggact caatcaagat aagtattaaa aagtttttca aaactttgaa 300
tagcacatga gtttttgaca aaacctttac cacagagtct ttactctctg gtaatcgatt 360
accatattgc tgtaatcaat taccagtagc acaatgagtt tgaanaagtt ntcatactga 420
atttacaaca ttccaattat 440

<210> 35054
<211> 259
<212> DNA
<213> Glycine max

<400> 35054
tgcttgtgga gcttctatgg aggttggatc tttgagcttc aatgacgtcc ttcaatggtg 60
atttttcacc atggagatgc agcggaaggc aaaggagaag aggagagggg aggaccatc 120
cactacggaa taatccaagg aagaaggagc ttcaccacca agaattgcct tggataaaaa 180
gcttgatgac gatgctttaa tggaggaaaa gaaagagaga agggggggagc acgacattga 240
tcgaataaaa gatggaaag 259

<210> 35055
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35055

agcttgagat gatgaagtgt tgaaggggtga aacttcctac ttttattgtt gaccacagag 60
tggtacctgg agatatgtcg cggagggtcat gagaccttgt ggacgtcagg tgggggtgcta 120
ttgcctaaaa ccaagcttga ccaatcccga cccaacccga gcatagttgg tcagtgaagaa 180
cctgtgatgt acctaagcag gcgagctcct ggaagtcaac agataaaaagg aacaaagacc 240
acaaagcaag ggggcttgtg gtggctggcc agctgtgaat tntgtgtgat atatgattat 300
ggcctctggt aatcgattac caacggtggg taatcgaata caaggcttaa nattgaagac 360
aggaggctaa gatggtctct ggtaatcgat taccacgggg tggaat 406

<210> 35056
 <211> 382
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35056

 ntatacaagg gagcaaaaga tacaagtatc attcaaggta agctatttgg tcaaaagagc 60
 ttgtgtctat acaattcatg gccttcatca tgttctgagt tatacaaadc attctataat 120
 tcctaagcta gttttaaaag ttgtctatcc tatggttgac caaaataaca aagataagga 180
 tcatgaggaa cttatttggg tgcgtgatac aattgaccta atgtagatgt tggattagat 240
 gagagagaga gagagagaga tgatatgggt tatgcagaat tctccaactg tccctacact 300
 cagcacttgt cattgtgctg aagttacact taaccaatgc tttttcgacg ctcccgetta 360
 gcgaacgctt tgctaagtgg ga 382

<210> 35057
 <211> 405
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35057

 agcttgagag ttgagacata tgatcatgtg caaccttgct ctagacttct aattatattg 60
 ctccctcact ttttctgagg taggacaaac aaatgcttag atgtatgggt tagggttatt 120
 gttaggatat aaagagaagg gaaagttagt ggccaaccgc aaacatgaaa agagaagaag 180
 gtacaacgct acttgaaaga gggtatcgaa ataggctaatt ttttaaaaga aattttgtaa 240
 ctaatctttt acattgattc ttaaaaaaat ctgataaaaa aaatcaggga agtgtttgat 300
 gcgtgtccag ttgtttggag aagtgtctgt ggctgtcca agcccaaaan gataattggc 360
 actgcaaaat gtgccacaca atgtccgcat gtgtctatga gtgtc 405

<210> 35058
 <211> 434
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35058

nttgtgtgaa aggatgtgac tcttcacatt tgaatatgaa tttcaacggt caaaggcact 60
 ggtaatcgat taccaaaaca ttgtaatcga ttacagcttt ttgaaaataa ttggaacggt 120
 gcaaattcaa tttgaaaact ttttcaaaac aattttgcta ctagtaatcg attacaacaa 180
 tctggtaatc gattactaga gagtaaaaac tctntggtaa aagggtntgt caaaaactca 240
 tgtgctattc aaagttttga aaaacttttt aatacttatac ttgattgagt cttctcttca 300
 ttcttgaatc ttgagtcctg aatcttgatc ttgattcctg agatcctgaa ccttgaatct 360
 tgattcctgt ctctagactt tcttcttgag tcttgaattc ttcttgattc ttatcctgaa 420
 ctcttgaatt gttc 434

<210> 35059
 <211> 158
 <212> DNA
 <213> Glycine max
 <400> 35059

tagctattgc tgtagacagg atatgatatg caatccggga tatatctacc tcaaaggtag 60
 atgatgcctg agccagtcac cccatttaac ccatgcacat ttatcctgat cagtgtctcc 120
 accaacaacg aacctactct ggataacccc cgagtggga 158

<210> 35060
 <211> 332
 <212> DNA
 <213> Glycine max
 <400> 35060

atatgctccg ttgtgtgaca taataatata aggttttata ctactagaaa agggaaatca 60
 ctacgatcaa tatattgggtt gattgattag atgtcaaacg actccattgc cgtcactcca 120
 aaatcgtaa gtgactcaaa tccacattac gtacactttg acggagtgcc tcacaagata 180
 ttacaataga ctggatgagg gctcatgagt gatcacagtc tgtcaciaag agacaagcga 240
 tctgagatgt ccacagagaa agaaccagct aacaaataat ccaatcagac tctctttgca 300
 ggaatgggaa agaattgtctg agcattacac aa 332

<210> 35061
 <211> 419

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35061

agctntanga gaaaccataa aaactaaggt agttcctaaa caaaaatcaa ttgaggaagc 60
 ttgcgaagt atccccattg aaaaaccttt attcaaacct ttcaaagtta gtgagaaggc 120
 taaacgaaaa attaggggaaac ttagaaaaaac taaatcctta actgaaggcg taggtgacaa 180
 tcatagtgaa ttactaaaca agatcggtag tttacttaag gtcattccag atactcccca 240
 agcctcggaa aataacttccc aaatggtaac aagaagtacc tccaaattaa ttaatgttat 300
 taatgaagat agtgactaan actcagatac cacaactgag ataggggtcaa tgtcagaaaa 360
 gaatataaat ccaattaatt ccaaacactg ganaacaccc tnncaaatat attatcaac 419

<210> 35062
 <211> 277
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35062

ntgtggttac tgtatcctaa ttgccacatc tgtctataac agtctatata actgctgtat 60
 aagtattaag gattgaaggt tcattacatt gtacaattca ggatcaagtt tgtttatcaa 120
 cttttatcat gaaaatctgt gtttgttcat tgacatgcta cttgattgct tactgtacaa 180
 gattctctcg aggatgctca tacaactgat tgtttgcang tctcttttgg tggaggtatt 240
 ggtgcctcgc atgttcatac aataggtctc agcttta 277

<210> 35063
 <211> 442
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35063

agctntntgg ttntaaatga aagggttttc tctttatcta ttattttatt caagctatgc 60
 cacatgtctc catttgagtg gagcaagaag ggcccacttt ccctttttta ttgtgactca 120
 tactcagcca caaacagtga gaaaaatctg acctttgaaa cgctaaaatc ctgcctcggc 180

ttgcatgccg tttctctggt tccagttcct cgcgtttctc tgcgtccgtc ggggccagtt 240
 ttcgaaagca agcaatatat atatcaaac gctcagaata aaaccccgag cgtggntcag 300
 aggttggttt cgttaaattc taagtcgcac ggcaaacgat gaattttnac taattaatta 360
 agaaataacc cataacctcc cagttatgga tttctctctc ttaattagcc taacccgcgt 420
 atcttgcccn cactactcct at 442

<210> 35064
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 35064

tgaatgagag cactaacaac atttccttct cttttgcaa tgttgacact tcattatgga 60
 cacagccatg gttgcttcaa tactttatat tcacgtgaat cccaatatat ataccaattg 120
 acgcggatcc cttctgaacg ggaacggacg tttcagagca tcaccgaact gttcaagagt 180
 gacatcagca tctgcctcga tgaacatgac ccgcttgaga gtctatctca gataggatct 240
 tactctcgcc attattgggg atattagcta cagatatgtc gtgtgactca tggaagatgt 300
 gcagcgctat tgtataaaca tggaatcgac aatatccaca tgtgtggata aaaatcttgg 360
 acgcccacca gatccta 377

<210> 35065
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 35065

agcttgcttc attgtttatg cgagacagag accaacaatgt tagccatcgt cagcaagtac 60
 caagaagaat taaatctagc cacggcccac aagtacaaag tgggtgaacga gtatgcccgga 120
 gtgtatgcgg aaaaggaggc tagaggaagg gtgatcgact cgttacatca agaggaaaca 180
 atgtggatgg accgatttgc tcttactttg aacgggagta aagaacttcc ccaattgcta 240
 gccacggcta aagcaatggc ggacacctac tccgccccca agcttctcag ctctgtgctag 300
 ggactcttcc aattcagcac ttgtacaacc tagagcgccc gcgcccaccc agagggaggc 360
 cccccaagct ccggctccaa ccttgactca ctcgccagc aacgccc 407

<210> 35066
 <211> 440
 <212> DNA
 <213> Glycine max

<400> 35066

tgaaggtgtg tagccccacca tcttttcata gtagaatact ggtaatgtgt ctactatcat 60
 tggattatt tttttctccg tcattgaggt gccacttgag ctgccaggac tctccacctt 120
 tgggcgtatt cttttgaaag attcgtgccc cccttttgca catgttctgt agttgcatcc 180
 tatctgaaga cattatactg aactgccta acgaaggcaa ccactaggtc cttccaagaa 240
 tggactcggg aaggttccaa gttagtgtac caggtaacag ctaccccagt aagactttct 300
 tggaaggaat gtataagcaa ttctcatct tttgcgtatg cctccatctt ctgataatac 360
 atctttagat ggttcttgga gcaagtagtc cccttgtagt tgtcaaagtc cagcaccttg 420
 aatatgggag gagtgatgat 440

<210> 35067
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35067

agcttgtgac tcatagttgt gctaagccat attctgcccc tctgngcaa tatgacaacc 60
 attttggggg atagaggacc ggtggattca agcccactag tggacgactt caccctaactg 120
 gtgggagttc tcagccagtt aacaaggtgt cttaatctgt tggtagaagt ggtgggtggc 180
 ctgctactgt gtctacacca ctccggtgtg ggaagtgtgg tcagcttggc catattgctc 240
 attagtgcac agatagagag gtgacttact ttaactgcca aggtatgggc cacattagca 300
 ccggttgccc aaaaattgat cttctagggg ttctacaca tgtntattct aatccccgag 360
 cacaagtaac tcatccttta tcttgatgta gtcgctcaag tgttctctat tagcaatggt 420
 gacatttctg gtgctctaga gct 443

<210> 35068
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35068

nttgtgaatg tatgtataca tgantttgat gatgccaaag ataatcgtct tctcaagttt 60
 gatccaagtc aagaattcag aaattcataa aataactccc cagagtcaca actcttcaga 120
 aaataactcc tgagagtcac atctgttcaa gagatttttg aatggacatc aaaggcctat 180
 aaataggtga cttgngacac aaaatgaatg agagagattc caagagaact tcatttctcaa 240
 atgctctctc aaaagaaact cttgggcaaa cacttgcaaa tccattaaga gttcatccat 300
 ggacttcaat tgtaatatcc ttctcttcaa gagagaattc atcttctttc ttcttataca 360
 aagagattga ttaagggacc gaggtctct taagttgtaa ggattcctga acacaaggga 420
 tgggtngtcc ctgtgt 436

<210> 35069
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35069

agcttcaggt tgctcattga ctccagattg ctgcanagaa ggatagagat ctgtatgggtg 60
 atctacagaa gaacatagac cacagactct tgcaataggt gcagattttt tattcatggc 120
 aagttgagtt actaggttga ccaaggcatc aagttttccc tcaagctttt tattttcagt 180
 agatgaagat gaatccgtgg ccacctcata gactcctcta aggacaatag catcatttct 240
 tgcactgaat tgttggcagt tggaagtcac cttctcaatc aaattcctag cctcaacagg 300
 agtcatatca ccaagggtc caccactggc agcatcaatc atactccttt ccatgtagct 360
 aagtcctca tagaaatatt gtagaacgag ttgctcagaa atatggtggt gaggacaact 420
 tgcacacaat ttcttgaatc tt 442

<210> 35070
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35070

00100-0100

ccgatcggca tgtaatgttc tatcatgaat cactcactga catgtatctt atcattcgtg 360
ctactattat c 371

<210> 35078
<211> 297
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35078

tgnaaatcga ctaacagtag caccggtaat agtntcttt tgtgccaaac taatttgaaa 60
ttcctagtag ttcatgaaaa tgaatttaac tctgtgaaga ttgagacagg tttgattgca 120
atattcaata ataaactctt atctgatgca aacttattga atgctgttta aataagatgc 180
cttgccaaca ggggttgaga aaaacagtag ttttaagatt ggacaagcta ggatccacgt 240
tgggccttag ctttagtgaa gcccttcata ctgggaattg aacaggactg tcgtgga 297

<210> 35079
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35079

agcttaactt catcaattat cttcataatt cncctcgctc aagcactcaa gatgacttgc 60
tttagtgagg catgtcaatg tttcttgggt ttgattctga cttggcttgc ttaagcacat 120
agtatgcaac acttaagcga gaagagcttg gtttcttcaa taacttttcc tgctaaaact 180
ccacaaaaac atcaaaaaag tcctaaaaaa acctaaaatt ctagagttcc aatgtgatta 240
ttcaaaattc accccaatct taaggtaaaa caaggctcca tgtattagaa atgttcata 300
atcacctaca atcatatgta aaattaaagt atatttgacg attaccaact atcanagtat 360
ttgtcattta ttaatagtag taattattac aaattatact tanaatgcat gatgttataa 420
agacaaatct ctacaaaaaa ta 442

<210> 35080
<211> 368
<212> DNA
<213> Glycine max

<400> 35080

tgtgcaaadc aaatcaccca tacatttggc ctctaaccatg cattgtgtgt cggtcacaga 60
gctttgacac gggaaaccgg aaggtacata tcaccttgtt aaatggacac atggagcact 120
gcagacccga atgctcaagt tagaatagat aaactttctg tctctcgagt tcgcacaagg 180
gattcatatg ctgctctaca taagctatgc ttcatacctt catagcggac gtatcctacc 240
tttgatcgct atcataatct acactcacat tttgcttgag gaatagagtt atcttgcaaa 300
tgcgtcttgc agagcatgtg atacgcctca ttgcatacca ttcgcactca tgtgtgatca 360
tacttgcg 368

<210> 35081

<211> 420

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35081

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aggccattgc ctccctcgcc caatattatg accagccgtt gaggtgcttc acctttgggg 120
acttccagtt atcacccacg gtggaagagt ttgaagaaat cccaggatgc cctctgggag 180
gaaggaaacc atacctcttc tagggattct atccctcttt agctagaatt tctaagatag 240
tccaaaactc gacgcgggaa ttagaccaca gaaagcaagt caaaaatggc gtggttggag 300
taccaaggaa atgtttggaa gcaaaagcaa gagtcttggc aggtaaaggc aaatggggcc 360
tgttcatgga catcctcgca cttttgatct tcggaggggt cctcctttca aatgtggatg 420

<210> 35082

<211> 395

<212> DNA

<213> Glycine max

<400> 35082

tctccgcaa ttgtctataa atagggggag aagtgaagtg aatttggttc attcccttag 60
gcattctct ctctttcgaa tatgcttga aaaattgttt ccgtgaagaa aatccaagct 120
gaggcgcttt cgaaatgttt ccgtaatgtt tccgtgagga atttcgcgaa ggtttcaacc 180
gttcttcgac gttcttcate gttcttcgat cttcaacggg taagtacctc gaaccaagct 240

tttcgattca ttctatgtac ccgtggcggt ccacattgtg tttcgtgtat ctctattctc 300
 gtttatttac tttttataacc cccttttgac gtgcttaagc ctttttattt aagtcatttc 360
 ctcggttac ctaaataata gataaatttc catcg 395

<210> 35083
 <211> 343
 <212> DNA
 <213> Glycine max

<400> 35083
 tagctttgta tgtgattttt gcatactttt atatatttct cattgaggat ttgaataaga 60
 aactgttttag aggtgtagca actcaagttt ttgaagaagt tggtttttga tgaggattta 120
 caatctttgt ggtaaagtgg tatagggttt ttcactctta ccaccactgt tctttcgtct 180
 aattgaaaat tgcatttcaa cacaaggacc ataggggctg gagttgctat gcattttcca 240
 cagttaaacc ccacagagct actacatgag catgtagcgt gtcttcacct aacaggatta 300
 tggaattggt gggttgatca tatgagctat tgcattatac atg 343

<210> 35084
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35084

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 gccttgatac aaggaaacca catcatgcta ttgtgctaca tctcaaatga tgtgaagcac 120
 tatgttcca cccattggag gcacccttaa tggacgcca catcaagagg tatgccaagc 180
 ctgaagtata ttagcaagga aatacaggaa tgattggctg ctggccaaaa agacacacat 240
 gacacacctt ctctcggaca tccaattttg gccaacctat aaccatatta ttatctacta 300
 acatattcat acttttgaaa antaagcgac caaacctgcg atgcgtaaga cagctgcac 360
 ggctgatctt tgcagccatt acacatagta ctttcgttgc cctactgctc ggctgaatgg 420
 tgtatctcct cccc 434

<210> 35085

<211> 385
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35085

 agcttgctct agacccttga ggtaatatgc atcaagctag tgacattaaa gaagcactta 60
 ctgggaggca acccaactct ctttttcctt attttattaa tcattgcata tagtcagggt 120
 tcaacttggt tgtgattggt agagtaggtc atcaacctgt tttttatgat caagggggtg 180
 ttaaagcttc tctaaagttg tggatgagga ataacttaga aaatttttca gtcattccact 240
 cactcagcgc gccctgtgtg ctaagcgaat catccttcat gcactgagcg agtcattcact 300
 cgcgctaagc gcaccaaccc caaaccattg gctgaagggg cctcactaag cgagaccacc 360
 gccctgagcc canaacctct atgga 385

<210> 35086
 <211> 220
 <212> DNA
 <213> Glycine max

 <400> 35086

 tccatcataa tgggggtgtg ctcaacctac ccttcagagg gatttcgacg cagcgcttac 60
 agctgtgctt tccaagtga gaaggcgcgc gaagttgcc acaactatta ttcgacgaaa 120
 atgtgcacta aactggaacg tgcggtatat gaactttaat aatgtaacga tcggtacaac 180
 gcgttcatcc acggcgaaga tattatcacc ccacacatct 220

<210> 35087
 <211> 412
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35087

 agctntgctc taactgcaac agcagagcca ctagaagatc ctccaggaac ccggtctggt 60
 gcacaaggat ttctaggtgt gccataatgt atattctctc catttatact ggcagattgg 120
 aatacttagt tacgtgagta acagaaataa ggtgttcaaa acatacacat gtctgattac 180
 acataaatac caacactcat agtcacattt tccatacgga gaagaaagct ccaccaaagt 240

gagctaaact gagcaagtat ccattttaatt attaaagtgc atcgtggtct taccacagct 300
 aaatttaagg gtggaaacac ccttatgcaa atactttaga gacaaaaata atcattgagg 360
 agccttggac tttctatata ggctactgac tgactgatag atatattact tc 412

<210> 35088
 <211> 494
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35088

aaagtgcata tgnctccgac tcaatgcatg gtctcgatag atcttatgcg attgcacata 60
 ccagccaggg cgtcgaaata atatagtcac ctgtgatatg cataaattac ttgtcacaca 120
 gcatttgcac tcgtagaagg gctcaatatg agagtgtac tctgtttcac actaacaatc 180
 tctagtctta tgcaatgtat acctcattta ttaggcacag ttatctgaga gaaaaaatcg 240
 tcccaccacg tcttcgcaga actggtaggt ccagaacata gtgagcgtgc ataacagtca 300
 ctgaataata atacacatga atatctccgt atgtgaatag cttattctta ccaacatgat 360
 gtgttctcat ctaagccagg aaccattatc tctgaacgtg aaattgcaaa tcttttgaca 420
 catctcttta cttcatgtat ataataaaaa ttccagcttc tccattctct actttgatcc 480
 agagtctatg tgcg 494

<210> 35089
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35089

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 atatctcgag aactcggaa ttgaataccg aagttatgag caaattcaat cgacaataaa 120
 tttttactcg gatgtcggat tgagtcacgt aatatatcga gacgctcgaa attgaatacc 180
 gaagctctga gcaaattcaa acgacaataa ctttttactc ggatgtccga ttgagtcccg 240
 taatatatcg agacgctcga tattgaatac cgaagctctg agcaaatacga aacgacaata 300
 aatttttaca cggatgtcgg attgagtcac gtaatatgtc gagacgctcg agatagaata 360

[illegible]

actgaacttt tagggaaaat tattagatga ctcagaaatt acacatctat tgataaaaca 180
 tgattcaaaa catcgatata ccattgggtg tgattaaaaa ggaattacat tacatttgtc 240
 tatacatatc aactattcta t 261

<210> 35095
 <211> 185
 <212> DNA
 <213> Glycine max

<400> 35095
 tgagagcgca taggcttcta gacaagggat gtctcttatt ctatgcgagc gttatccagc 60
 tgggctgcaa taatatatct tcttgatatg ataattaatt ttacgcgcat accagcgtgt 120
 atgccaatct atattaatct cttttaccta cttttcattc aactaataa ccccaaacac 180
 atact 185

<210> 35096
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35096
 agcttgtcat atggaaggat aggataccct atgctttntg gaagggcaac ccaacagtgt 60
 ctattattag gagagaactc ggcaagtgca acaccacaga aaaacatgat tggaatgcaa 120
 gaatatatga catagtaa atataatcta aaaatttact tttgttttag gttaatgcat 180
 taattatctc aagattaaat taacacatct tttctctctc tcttttcagc aatgggttgcg 240
 agagagagca agtaattttg agaactcaaa acttgaaaat caatgtacct ttaggtaaag 300
 ttntgaagca tattttatga ttctgatttt tttaaataat tattatagaa ggggttagtt 360
 tactcttttg aatctgtcac atataatctt ttttagattg tacttactac attttgaaac 420
 t 421

<210> 35097
 <211> 301
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 35097

tatgcctggt atgatntttt ggtttcggcg ggtttctaata tattaatatt tttcaatttg 60
gtacttatag cttctgccga tggaagagct actggagaga cgtcttactg accctcggtt 120
accaatgtaa gttttattgc gaagaaaaac ttgggtgagg caatattggt caatatgact 180
atataaaggc cacacatgat agtaaattat gttttttgat ctattgggat ttgggtcata 240
ccacagggaa acccatatcc ttcccattaa tccatccttg cttcagattt gaacctggaa 300
t 301

<210> 35098

<211> 293

<212> DNA

<213> Glycine max

<400> 35098

agcttgctat tatgttaagg gactacaaca agaaaaataa tgtagaaac ttagaaaact 60
agatagaata agataatata gtttaagaga gcaaaaaaac tcaccagaac tataatgaag 120
ataatgagcg tcagaaatgg tacgggttaat aacgatgttt gttgtcatgg cggctatgac 180
aaaattgagg gcaagagata ttatcttgag ttaagaaaat ggtttgctgc gttgaaacta 240
tgatgggtggg tgcacataga aatatatgat gagagaatgc ttatattatt tca 293

<210> 35099

<211> 601

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35099

cctctctccc nctctctct actccgtagt gatattatct gactgccact ctactgttg 60
tgctctcat acntcannnn ncctccacac ggcennattt gttgcattca tagcacgtgc 120
gcgacactan aatcactcta gcatgtgcgc acgtcgatgc tcgaggggtga cgaggtcgag 180
tgtcctttgt gaggacatag agagtgcaaa tcgcaatcac gaggcgacga ctatagaagc 240
gaaggactat gaatactgtg tgggtgacga gattgataac attgagagtt gtattccttt 300
catacattat gacatataac gagaagtgcg actgacgagc gaccgattca acttatgcga 360
catgacgaat ggcgcgtggc accaggagac taactactca cataatagac tatgccgagt 420

gaatctccac gtataaagac gacatactac attctgcact gatgacacac atattaacac 480
 tccccggacac ctgcctactt ctcatgaaac taaattcaac gctcatgtgt catacctcga 540
 cgcctatggt agcctgccga caataccctc attgatcga tccctccact ccctctacac 600
 g 601

<210> 35100
 <211> 366
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35100

ttacttgaat gtgtgtaacc caccatatgt ccataaaagg agatgtgcta cgggcgaaat 60
 tgaggccct tcaaagtgt ntgcaagggt ataccaccaa ctgcttgccc ttcagtggca 120
 tatccgatgc aaggctcgaa gtcggctaga ctgtggtggg gaatttcattg tgtctcccc 180
 atgggttgag agacatgtac atgatgaggg tgctggctct caatgagtat gggagcagag 240
 ttattgacat cctcattggg agtgtacgcc acattgggtg gtgtatagtt gggaggcaag 300
 ccatatggcg ggaaagtgtg ctccgtttga aattgcacaa tatggagtcg gacgtactgt 360
 ctaaat 366

<210> 35101
 <211> 436
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35101

cttntgtttc ctgaatggac gngtcagcc accacaacca tcattattat agtcatgatg 60
 agaagagcgc atcactgtat ctactgatct cagaaaggac tcctcctact tagctcgac 120
 tgtaaccac ttgttctgca ttaattcaaa attgattctg cagacatagc cttgcttcaa 180
 gattaactca agatcaagcc tggccttaaa acaaagtgtt ttcaagacat gcaaggctct 240
 ggtaatcgat taccaagcag tgtaatcgat taccagaaga cagggttgag atatagctcg 300
 tgaaaagggt tttgaatttg aattctcaac atgtaatcga ttaccatag tttgtaatcg 360
 attaccagtg gagagttttc aaaatagtcg tgacacttca tattataact gggtaatcga 420

ttacacacac attgta

436

<210> 35102
<211> 333
<212> DNA
<213> Glycine max

<400> 35102

tatctttatt ctaacagaat aatccgataa tgtcatatat ttcggtgttg attaagcata 60
acaagacttt gtgtgattgg tttaaagata caatctttgc agatgagaat gtttcaaaaa 120
cattatgaaa gctagcagat gggcctaaaa gaaatgttat aacctggcga ggatacgaca 180
tacacaggta ttcattttac acgaaagcac aagatgacgg aagtacaatg cagaacagcg 240
gggtcacccct atgggctgaa tctcaacact ttgcaagtgt caatgacgcc aatccctgtg 300
tagcttacat cccttacttt gagttcattg atg 333

<210> 35103
<211> 316
<212> DNA
<213> Glycine max

<400> 35103

actagaaaga ctctgataga agatgcttaa aggggatttg aaacacttca agcatcataa 60
aatcaataaa tacagagaaa taagtattta aaataagaag catacagctg agcctaagtc 120
cttggacaat gcttccatcc ttgaaaacaa ctcttgatct agtatcttga gtacttaagt 180
caagggtacac agacttgata aataagttta gtataggcac acatccaaaa gtcgaattca 240
tatgttatct agaatcctgg atattttcac catttactag ataatgaaat gctagcatga 300
tatacaatat cactat 316

<210> 35104
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35104

agcttataga ttatataata agagaacaat gacaattaaa gaatcgattc atgtttcctt 60

tgatgagtct aatgttattt ctccaagaaa ggatatttta gatgatattt cagaatcttt 120
 agaacaaatg catattcatg gagaagatta taaaggaaaa ggagaatgaa gcaatgaaga 180
 tactccagta gaagtcaaag caaataatga tcttccaaga gagtggaaag cttcaagaga 240
 tcattccctt gacaacatta ttggtgatat ctcaaaaggg gtaacaacta gacactctct 300
 canagattta tgtaataaca tggcttttgt atctatgatt gaacctanaa atttanatga 360
 agccataata gatgaaaatt ggataatagc tatgcaggaa gactanacca atttgaaaga 420
 aataatgttt 430

<210> 35105
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35105

taagctgaga atgtttgtga natacatgca gtanaataca atttatgtgc atcataattc 60
 taacctgctc cactcacaac aggttttagca tcaatgataa tatttttaag ctcaatacta 120
 agaaaactct gnaagaagaa acttaaaggg gatttgaaac acttcaagca tcataaaatc 180
 aataaataca gaaaaataag tttttaaaat aagaagcata aagctgagcc taagtccttg 240
 gacaatgctt ccataccttga aaacaactct tgatctagta tcttgagtac ttaagtcaag 300
 gtacacagac ttgataaata agtttagtat atgcacacat ccanaagtcg aattcatatg 360
 ttatctanaa atcctggata tntttcacca attcactaga tagatgtaaa tgcatagcat 420
 gatagtaagt atatcactat ttccatgt 448

<210> 35106
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35106

agcttggggc tagagctatc aaatgtccct ttataggata tccacctgga atcaaggggt 60
 acaagttgtg gaggatagaa ccgagttaac caaagtgcac caccatcaaa gatgtaatct 120
 ttgatgaaac tagaatggct atcaaggcta aggatcaaca atagactatc agtcaaggca 180

acaacttaga aattactaac gttgaggtgg agctaccagc atgggggtgtt caagtcaagg 240
 aaacaaataa tgatcaacaa cttgaacctt tagttaatga ttacaacttg gctagagata 300
 aagttagaag atacatagtg cctcctgaga ggtgtaacag ccgcgccttt tttttntttt 360
 tttaggtttt cctattaatt aattaattat caaataaata aataaataaa atcaggtacg 420
 tcataagttt cccactata 439

<210> 35107
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35107

cttctcccca attntctata aataggggga gaagtgaagt gaatattggt tcagcccctt 60
 aggcaattct ctctctttcg aatttgcttg gaaaaattgt ttccgtgaag aaaatctaag 120
 tcgaggcgct tccgaaacgt ttccgtaacg tttccgtaag gaatttcgag aaggtttcga 180
 ccgttctttg acgttcttca ttcgttcttc atcgttcttc gatcttcaac gggtaagtac 240
 ctggaaccaa gcttttcgat tcattctatg taccctgtgt ggtccacatt gtgtttcgtg 300
 tatttttatt ctgcgtttat ttactttcta taccncttt tgacgtgctt aagccatttt 360
 atttaagtca tttctcgctt aaactataaa taaaataaat ttccatcgat cgtttgaatt 420
 gtattattcc gtaacttctg gtaaaatgaa ttcc 454

<210> 35108
 <211> 442
 <212> DNA
 <213> Glycine max

<400> 35108

agcttatcca tagtggcatt ccttatatca ccaaaatctc aactcaatca ccttttagagt 60
 cctactgaat caataaaaag taacttgtag caatttggtg agtaattcaa cactatatat 120
 aataactaca tctgcctgtg aaatttttag aaacatatac atatcttaca tgaacttaat 180
 cttaattcta ggatgtgtcg agtactatgt actcatttat gaaagatgaa aaattcactc 240
 atgttaattt ggaagggatt atagaatgca agattgttta caatcacggg aggaagactg 300
 caaagattgg ttctggatgg aagtcttttg caaattcaca aaatttagaa cttgcccgag 360

<212> DNA
 <213> Glycine max
 <400> 35111
 agctttatat cctttgcagt accaaacaca taaaccatag tgtgctgaac tcggtgcata 60
 catgaacctt gatagaaaac tagtagataa catcaaact' agtctagatg cattcaacta 120
 aagagagtac acaaccagac tattatactg aggaacatca gccttttcat cgccatcatt 180
 cttggagagt atttcattta caacaagagg agttgtagcg agatgacaac tctgatacct 240
 gaattgtttt taacaaagca taggcataat ttctgtgaga gaaagatacc atcatcaagc 300
 tgatccactt ccattcccaa tatatacacc atcacgtcca gaattatcat ttcgaacact 360
 tgcagcatgc tcttc 375

<210> 35112
 <211> 401
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35112
 tgagatatca caggangccg ctacagatgc tactattgct gogtgattac acacttgagc 60
 ccgcttaaag gtaagggatg agtttatcgc aattgctggt aaaataaaca tgtgtgtatg 120
 catcttcaga ggattacatc ggggtttctt tttgtatgcc tactgaacta tatttttcct 180
 ttacgatcat aaatacaata ttgttgtgtt tgacggacca attgatgtcc tgatgtgaat 240
 tggttgataa acctgagagc tcttagtggt gtcatgtttc tgacctactg atttgatgca 300
 ttgattctaa tatgattgtg tggaattatt tgacgtgtct actctccatg ctgtgtgaaa 360
 cattttgtat aaatatttat atcgagatta tgaaatgatg a 401

<210> 35113
 <211> 377
 <212> DNA
 <213> Glycine max
 <400> 35113
 ataagatggc cgaaggacta caccgtctag actgggaaaa cctgacgtt acccatctta 60
 atcaccttgc aggacatccc cctttggcca gctggcgtaa taccgaagag gcccgcacgc 120

aagctctcga gagattcgaa tgggtcttaac tgttcacacc gatgtccgat tcgggcgag 120
agtatagaag agacgctcga aattgatcaa cggaagctct cg 162

<210> 35117
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35117

agcttgagct tggttcaacc ccgtaatcca aggaatggaa attctgatcg ccaatacttc 60
aacaacatct catagggatg aatgactcgg gcatacttta agcttatgca cggaaaatgt 120
aattatgaaa ttgagatgcc cgaagaaaca ccatttccta gtttaaccatg cattangtac 180
catgttcaat tattttgttt ttaagtgaaa cgggtttatg atcccaacat ggttggctcc 240
taacacatga aactaagaat gtagtgtgaa gtttcacgct tcccccttct ttgtttttgt 300
tttgtagagg aaaacgcaag gatgagcaaa catganaaca aatggtatgc aattntgcag 360
atcanaaagt ttggtgaacg catatgcatg atgatgccat gactcatgca naatggtgag 420
gctggaatat gataacggac 440

<210> 35118
<211> 280
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35118

taagacatct ctctatggac ttaaacaatgc accgatgcaa tggatatggtt tacttanaaa 60
cttccttctt gaacaaaaat ttgagagagg aaaagttgat aaaacacatt tcattaaaaa 120
gatctctcat aacatttttac tcatgtaagt ttatatggat gacatcattt ttggttctac 180
taatcgatct ctttgtgaag attttgtaca caagatgcac gaggagtttg aaatgccaat 240
aatggggggg gggattatat tactttcttg gtctctatgt 280

<210> 35119
<211> 419
<212> DNA
<213> Glycine max

0674

<210>	35120
<211>	365
<212>	DNA
<213>	Glycine max

nttaatttca	atgcaaggaa	gcatgactta	tgccatatgaa	tctatatatt	tggttttgaa	60
tgtaaaaggg	catgaatatt	aagacatgtg	tgagagggttc	ttattagaat	ctacatttgg	120
ctgccccatg	aggaatacct	tacacctagg	tagcatggaa	aataccttcc	aacagtatgt	180
atagatgtga	atatangtag	cgcgaaaata	cctttcaacg	gtatgtaaag	atgtgaatat	240
atggcataaa	aataccttgc	aaagtgtgaa	tgaatagcaa	aaaatgcctt	tcacaatatg	300
tatatatttg	gataggtagc	ataaggatcc	tttcaaaaaa	atgtacccat	gtcaaaaaatg	360
gcatg						365

<210>	35121
<211>	446
<212>	DNA
<213>	Glycine max

agcttgaagg caaactggat gcattggtta acttggtaac ccagctggcc ttgaatcaga 60
aatctgtacc tgtcgcaagg gtttgtgggt tgtgctcctc tgctgaccac catacagacc 120
tttgcccttc catgcagaaa cctggagcaa ttgagcagcc tgaagcttat gctgcaaata 180

tttacaatag acctcctcaa cctcagtagc aaaatcaacc acagcagagc aattatgacc 240
tctccagcaa cagatacaac cctggatgga ggaatcacgc taatctcaga tgggccagcc 300
ctcagcaaca acaacagcag cctgcttctt ccttccaaaa tgctactggc ccaagcagac 360
catacattcc tccactaatc caacaacagc aacaacccca gaaacagcca acagttgagg 420
ccctccaca actttccctc gaagaa 446

<210> 35122
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35122

ctntggagta gaaacctggg accaactcat tntatttcaa aatggaagtc atatctagtc 60
aaggtctgag agaccatata agtttcctaa cgattttctaa ttatgtgggc cattaagtct 120
atcatatgct gacaatagcc gagaagccca tgaatctctt cgggggcgga gtaggtgtct 180
gccatgcctt tggccttggc taacaatcgg ggaagttctt gactcccggt caaggaaga 240
gcaaaccgat ccatccacat ggttgccctt tgggtgtaaag agtcgatcac ccttcctcta 300
gcctcttttt cgcataatac ttgggcatac tcatccacga ttctatgctc gtgggccgtg 360
gctagaccgc actcttcttc gtacttggcg atgatagcta acatgttggg ctct 414

<210> 35123
<211> 303
<212> DNA
<213> Glycine max

<400> 35123

agcttgcttg tagagcttct atggaggcta gatctttgag cttcaatgag gtcctttaat 60
ggtgattttc caccatggag atgcagcgga agacaaagga gaagaggtga gaggaggcgc 120
catccactat ggaataagcc atggaagaaa gagcttcacc accaagatga gccttggata 180
agaagcttgg agaggggtgct tcaatggagg aaaagaaaga gggagagaaa gagagaggtg 240
ggaacacgaa attgaacgaa gaaaatggga gagaacgttg agtcgcgtct cataagactc 300
tca 303

<210> 35124
 <211> 316
 <212> DNA
 <213> Glycine max

<400> 35124

tgtgctccaa catcaaagt gcaataccaa agcactcact ttctttgctt ttgtaacaac 60
 aacaatatat gtagaagaat tcttcatcaa agacttgtag atgtcaacct tgtagaatgt 120
 gagtccaact tccttgagac ctaactggta aaccattaac ctttgaaaag aaagttcagc 180
 tatacacacc tctgaagcct taactcttta accaagtctg attgatgtgc tttgggttgaa 240
 tcactctcttt cttggcataa atgtacttgt atgacgcctc acattgttcc ttagaaaata 300
 aacgattttgc cttatg 316

<210> 35125
 <211> 243
 <212> DNA
 <213> Glycine max

<400> 35125

agctttctgtt ttcaatgtcg agtttcacga tatactacgg gacactatcg gacatccgag 60
 taaaaagtta ttgtcatttt aattttctcg gagcttcagt tttcaattac gagcggctcg 120
 atttattacg ggactgaatc agacatccga ggaaaacatt tttgtcggtta gaattcgctc 180
 agagcttttg ttttcaatat caagctgctc gttatattgc gagacttaat catgcatctg 240
 agt 243

<210> 35126
 <211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35126

tgtagcanat tcaaacagga aataaat ttt actcgatgt ctcatatgt cccgtaatat 60
 atcgagatgc ttgaaattga aaacggaagc tcgtagcaaa tgcaaacac aataactttt 120
 tactcgatg ttcgattgtg tctcgtagta tatcgagacg ctcggtattc aaacagaaac 180
 ctcgatatcaa attcaaacga caataactat ttactcgaat gtttgattgt gtcccatagt 240

atatcgacac gcttgcaatt gaaaacagaa gctcttagaa aattttaacg acaataactt 300
 ttactctga tgtccgattg ggacccgaat atatcgag 338

<210> 35127
 <211> 249
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35127

agcttangga tggaatactt acttggttgg gatgaacaaa agcgcgaaac ggaatcaaaa 60
 aatgcgaaaa aggatgaccc tagggctgca aactcgtaaa ccccggtggg atggcttttg 120
 aaagggggga aaagaagttt ttgaatgcaa aaacgtcccc ctttctgca cttttatatt 180
 ttggtgcaga ggtggctcgc ccaggcgagc tcagctcgcc caagcgagct aacctgcact 240
 ttttttttt 249

<210> 35128
 <211> 214
 <212> DNA
 <213> Glycine max

<400> 35128

tctatcacgt gtgtgtgtgt gtgtgtgtgt atcatgaggg tgtgtcattc tgtgatgagg 60
 gtgtgtatca tcagcgtgtg tgtgtgtcta tgatgagtgt ctgtgcgtgt tatgaggggtg 120
 tgtgcgtgat gagtgttaagt gtgtgtatca tcagcatgtg tgtgtatgat gagtgtatgt 180
 gtgcgtatca tctagctgtg tgcgtgcctg tctg 214

<210> 35129
 <211> 265
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35129

agcttccttc tatgattaga gaaagtcaaa gatattagta agtggttctga ttggaatata 60
 gtgttacttt acctctctta agagtgaacg attcttgctg actataagag tgtacgagat 120
 tatagagaaa ctccaagcag gatgatcaga gatacgacat cttcttactg accatgcttt 180

aggnaccaag acaaataagag cagtcctatc atctcaacag tgctcgatat ctatggagat 240
cgtataagtc aagaagacta ttttg 265

<210> 35130
<211> 221
<212> DNA
<213> Glycine max

<400> 35130

tgagaattac atgacgagaa caagacttat gttgoggctt gtcgatgat gaggacaaaa 60
gacaagaggt ggccttaata gggatcaaga gagaaataac gaacagacta tgtgacatca 120
aaatgtctct tttttctgtg ctgactgctc aactgagga ctcaagatga atctgggtacc 180
tcttatatgg agagtgactg tgaccacatt ctcatcatgc c 221

<210> 35131
<211> 376
<212> DNA
<213> Glycine max

<400> 35131

agcttatggc tccaaagtac atcttaaact aaattcacia gagacttatt ctaatgattg 60
aaatcggact ttagtgtcat aacaacctat gctattaaaa ttaaaactaa cacttcacia 120
tgcttaaata tgcttaaaaa taaatcatat tgccagccca tagctggcac attgatattc 180
cacttggatc atacgtatcc tggactcttc tttctcactt ttgagatgaa ctagtacgtg 240
ttgatcaatt tttcaaacat ctctttggct atcttagctc ttaccttggt gttaagcccc 300
ttatccaaac tgggttcttc ctctaccaag ctctacattt ttcctcgaa cgctatgaca 360
ccctacattc tattat 376

<210> 35132
<211> 367
<212> DNA
<213> Glycine max

<400> 35132

tgatgactac cctcttatgt gaacaatacg ggtatttacg atcttggtac atgaatatgg 60
cacagccatt agaaataacg ctaggttagt agccaatgga tacaatcatg aagaggggat 120

agattatgag gaaacatatg ctctgttgc tagattataa gccataacag agatattagc 180
 cggtgcatcc ataatggaat ctaaacttta tcaaacggat ggaaagaggg cctttgtgag 240
 acgcttatcc cagaggacgt atatgtctat caacccctg gctttgaaaa ctcatgatg 300
 cctaatacatg tctttatatt gaaaagggtt ttatatgga tacaacaagc ctctagggct 360
 tggtatg 367

<210> 35133
 <211> 333
 <212> DNA
 <213> Glycine max

<400> 35133
 agctttgatg atgcagtgag aggagttgat ggtgtcttcc atatggcgtc ccctgtgctt 60
 attccttatg atgagaacgt tcaggatatc tgccctttat ccccaactgt tagtattttt 120
 gtctttatct caggggcttc cttacaagaa aataaggagg gtaaataagag aaaaaatgga 180
 cactcaaaag tcaaaacttg ttttctttta cttgatttga ctctgtagct catttacaaa 240
 tgtactacct acgttaaatg ttatattacg gcatgatacc attgaaacgt gactcgtata 300
 agtattaagt acttgaatcc tgatgaatca act 333

<210> 35134
 <211> 291
 <212> DNA
 <213> Glycine max

<400> 35134
 tattgtatgc atgcttgtgg ttgatcacc cattggtgtg tgctattagg aacttgatag 60
 agtaggacta gatagctgta gtgctagaca tagtgtgcag ggttctagtt ttcattatcc 120
 tgtgcttata atgttggtta aattaagcta agttcaacaa gaaacatttg cggatgaagc 180
 ttaattttaa ttagtccaaa cgcacgagac atcgggtgtg gtattttggc ctcatgatg 240
 aacacatgaa ttatgtcaaa tagaaacaaa ccctaattgc atcaagtatc t 291

<210> 35135
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 35135

agcttgcaca ttgctgcttg atagaagaag agcaagacgg taaatcatgg tactttgaca 60
tcaagcggta cgtagagtat aaggagtatc cacagggggc ttctgactat gacaagagga 120
cattgtgaag gttggcaact agtttctttt taagcggagg tatcctatac aaatgaaatc 180
atgatatggt tttgctctga tgtgtagaca ctaaagaagc cgagcgaatg ctcatggagg 240
tacatgaagg gtcctttgng atgcatgcta atgtgcatgt catggctagg atgattctaa 300
gggcagacta tcaactggctc accatggaaa atgactgttg catccatgtg aggaaatgcc 360
acaagtgcc a ggcattcgcg aacaatgtga atgctccgcc tatgcctttg aacat 415

<210> 35136
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35136

tcttagtttc acatgatgca gatgggttng tagctacctc atgcactcct ctaatgacta 60
tggcatcatt tctggcgcta aactgctgcy agttggaagc catcttctca attaaattcc 120
tggcttcagt aggagtcatg tttccaaggg ctccaccact ggcagcatct atcactcttc 180
tctccatatt actgagtcct tcataaaaaat attggagaag aagctgttct gaaatctgat 240
ggtggggggca actggcacat agtttcttaa atctctccca gtactcatac aggctctctc 300
cactgagttg tctaatacct gagatatacct tctgatgggt tgtggctcctg gaaacaagga 360
taaattcttc taagaatact ctc 383

<210> 35137
<211> 440
<212> DNA
<213> Glycine max

<400> 35137

agcttctcct ataacacagt atcatcagca tattgaagaa cattcacagg aactttgttc 60
ttccccacca aaaaacttct gaacctattc tgggaaactg cttctctcat caacctgtc 120
aatccctcag ccactaaatc aaagaggaga ggtgcccaagg ggtcaccttg tctcaatcct 180

ctttgaggat taaattctga agttgggctg ccattaacaa gaacagaaat ggaagccgaa 240
 ttaaggcagg cccttatcca tctaattccat ctctcatgga accccattct cttcagcata 300
 taaatgagaa attgccaaga tacagaatca tatgccttct cacagtccac cttaaaaacc 360
 atacaagact tctcggatct tctagcctgc tcaatcactt cattagccac cagaactcca 420
 tgaagcaatt gtctaccctg 440

<210> 35138
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35138

ntcataagtg aaatcaggtg cagccatctc cctaagagtc ctctcacgag gtggagggtg 60
 agccatgttc tcagcaaaat cagaatattc agaatcgccc tcaacagaat gtcacaaatg 120
 cacagaatga ctaggatgca cactatgcct aactaatcta tgaaagggtc tatctatttc 180
 aggatcaaag ggttgtaaatt cacctggatt gcccctagtc atgcactata tgcagcaaat 240
 aatgtgtttc taaacaagca cctaacaagg ggtaaaacta taactatact caaatgatat 300
 caaaatgagc tgaaattctg tgaggaaaac cctaaaatca tgaaaagaga gcacacaaat 360
 tttcaaataa aaattcagag tctaactatg aaaactacct aagagaagtt tagaagaata 420
 ggacaataat acttg 435

<210> 35139
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35139

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 gcacaacaag ttttccacat ccacaaatcg cgcataaacc cgccatcccc tgttgccac 120
 ctccaactga gtcctgtac tcccacgtag cccatattct catttctctc aacaccgggt 180
 ccccatcaat cctctcaagc ttccccaaca tccaagtaaa acaacattca aacagcacia 240
 actatcacag ccaagaaaac agagcaaagg cagaaaactc tgccaaaaca ccaacaaaaa 300

tcacagcttt tctcacttan agacccccagt aacaattcct tcgttccaat ttgttaaccg 360
 ttggatcgac tccaaaattn tactggaagt ctctagtaca taaccctaca ttntgaccgt 420
 tgngatctac tagc 434

<210> 35140
 <211> 436
 <212> DNA
 <213> Glycine max
 <400> 35140

tcaccaccaa cagagtgtct tggataagaa tcttacggag gaagcttcaa tggaggaaga 60
 gaatgagaga gagagagaga gagaaagtgg cgtgggaatg aaggaaagat agggagagaa 120
 gttgaacttt gaagtttgtc tcacgagact ctctttcctc aaagttacca caagtgttac 180
 acatgcttct atttatagcc tatgtagctt ccttgagaag ctagecgttac acccctctaa 240
 tagctaagct cacctccatg ccaaaaataca tgaaggaaga gagctttctt gagaagcttc 300
 cttgcgaggc aagtgttaca cctcttcaat agttaagctc acccccatgg gaacacacac 360
 ccctccaata gctaagctcc ccccgcccc agatacatga taatacaaaa caagttccta 420
 ctacaaagac tactca 436

<210> 35141
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35141

agcttgataa tggaagacac atgaacagct ctaggcaata acattcatgg ggctccgaan 60
 aatggtgaga atggaggatt gccttgaggg tctcactta ngcaatcatg aaacacaact 120
 ccaaactcga aagtggagga cacatgacca gccctaagca ataacattca tgtgggctccg 180
 aaaaagggtg agaatggagg attgccttga gggtcctcac ttangcaatc atggaacaca 240
 gctccaaact cgaaaatgga ggacacgtga acaaccctaa gcaatagcat tcatgtggct 300
 ccgaanaagg gtgagaatgg aggattgcct tgagggtcct cacttangca atcatganac 360
 acaactccaa actcgaaaat ggaggacaca tgaacagccc taagcaataa cattcat 417

<210> 35142
 <211> 339
 <212> DNA
 <213> Glycine max

<400> 35142

tatccttatg gcaactcccg ccttatgacg actattccgg gctagacgat gaggaaggag 60
 ataccatc^u cggtcccttg cttcacctca aagatctgtg ccacatgaa ctacccaac 120
 cgaacatagt gcgcatata ccgacctcac ccacaccgt aaaagaatct gttcccttcg 180
 cggaagataa gggaaagatt gaagcgctcg aagagaggtt aagagcagtc gagggccttg 240
 gcaattaccc attctcgtat ttagcggatt tatgtctcgt gcccaatata gtcattcctc 300
 ccaagttcaa agtaccagac attgataagt acaaaggga 339

<210> 35143
 <211> 223
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35143

agcttctaca ggatcttccg cgtgatccaa cggaagaagg ttntgtagga tcttccgcgc 60
 gatctancgg aatgatgatg tttttcgtgg ataccgatga tgatcctgta ctatgctatc 120
 ccttaggcac tatattgcta atgtggcata acatgcggat gcctatactc tatgggttacg 180
 ttgattgtag tgactcgctt tgtccgctat atacatattc atc 223

<210> 35144
 <211> 339
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35144

gtttacaaag cgtcgatgcc aagtgtatac tgtttttatt tcatgntaca attgtacgca 60
 gcttgtgtct ccttcataga gagggcatgc acgatggcct ttaacactgc attcattcaa 120
 attcctatat gctagaaagt cattaatggg gcccaataac attgcacaca acttgaatga 180
 tcaatttggg tagccatcaa acacaacaat gcactcatac tacaactttg tcaagtactt 240
 aatcaaggga ccgagataaa caccaatata atatcctcgg ctgtcttgcg gctgatagca 300

339

<400> 35145

<210>	35146
<211>	456
<212>	DNA
<213>	Glycine max

<400> 35146

<210>	35147
<211>	189
<212>	DNA
<213>	Glycine max

<400> 35147
 agcttaagaa ttttaaccaag ccgaggtatc ctatggtaac atcccacttt ttttaccatt 60
 tcaatgatct aagaacacta cccaatcaca taacaaaaca ataacatcgt ctatcacacg 120
 cacatagaaa attgggattt acaacaaatg caccatgga tcaaattccat ttgtttcccc 180
 tccccccct 189

<210> 35148
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35148

gtcactttnt aggtactcga tgcagcaatt gagttcatc actttacctt ctctgntaga 60
 tgcgtgggtt ctctttccag tgaacgtag ccaagaagta gcccaaaaat tccattagtt 120
 atattggtgt gaaatgtttt gtagactgtg gatagaaatt aaatgctttg aatatcatat 180
 gaatgtagcg ctatgttcta tgaaggccac cttttggatt tcctcccact tcatctctac 240
 gtgcttggtg gtgttgatat tcaagaaact aagaaagttc ttgaatttgg ggaatcaaatt 300
 aatattaaaa attaagagtt gttgtagaaa ttaggactga tttattaaaa caaaattagt 360
 ggcccttaca aaaatcatat ttccatgtgc aacaatatc aatattgtag cctcttatct 420
 gtaggtacac tgtaatggat atccaactaa tatat 455

<210> 35149
 <211> 449
 <212> DNA
 <213> Glycine max

<400> 35149
 agcttgcatt gattaatagc aacaaataca gagtaattgt tgaagaggat aaattgatcg 60
 taataataaa acctcaaaga gagttgtgct tgatcctcaa gagaaaacaa cgttggatac 120
 ttagccttcc attaatcagt agaaaacgaa attgcagatt gaagcagaaa acgaaatttt 180
 attgctaggt gaatagtaaa aactggaatt gcaaaaccta aaattattct ttctcccaaa 240
 aacgaaaaga gagctctaaa actaaaacct tgggtgctgtt atataggttc tcagcccaaa 300
 agcttacaaa tctattttta gtccaagccc ataaataaaa taaaatctgg gcaagataag 360

ataagatttg ataaaataca atctagatga agtagaatct agataagata agataagata 420
 aaatctagat gacataatat ctagatgag 449

<210> 35150
 <211> 352
 <212> DNA
 <213> Glycine max

<400> 35150

agcccacccat gtttacatcg tagaactctg gtgttgtgtc tactatcatt gtcattcattg 60
 atctctccgt cattgagagt gccacattct gctgccaaagt atctccacct ttgggcgtat 120
 tcttacgaaa gattcttggc ccctttttgc acatgttctg taggtgcatc ctatccgacc 180
 atattatact gacactgcct aacgaaagcc accactaagt acttccaaga atggacttcc 240
 gcaaagaacc aggtacagta ccaggatata gctgcccga taagactttc ttggaaggaa 300
 tgtatcagca cttcctcatc ttttgcgtag gcgcccactc tccgataata ca 352

<210> 35151
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35151

agcttgtaga atgggtatcac atgatatatg tcagggtctg gtttggttca aggataaaag 60
 ggatgccccca cattatttcc atgacacaaa tgcaaaaaat gatgatttgg aaatttttatg 120
 caaaactggt catgcatgca cctatgcaga cggtcaagtg tcaaattttt atgggtcatgt 180
 gatgctaggg ctgangattc atttctcta ttttaaatca acccaatgtt tccaaaatat 240
 gttcttttat caatttgtgc atttctcaa gtccatttgc agcgtccggn gaaattttca 300
 cagcattcac ctttcagggt tagacacgtc ttttcttcan aaatcgatta tgatcaatga 360
 aattntntca nagaaagggt ggaaatcatc tcttttcaca agcatgtcgg ctnttagcta 420
 gacaacttat tttctctt 438

<210> 35152
 <211> 418
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35152

ntagtcaaac anaataatcc anaaatgtca atgaattggg tcttgattta gcataacaag 60
actttctctg attggtttta agatacaatc tttgctgatg aaaatgcttc agaaacatta 120
agaaagctag cagattggcc taaaaaatg ttataacttg gcaaggatac gacataaaca 180
actattcctt ttacacaaaa gcacaagacg acaaaagtac aatgcaaac agcagggtca 240
ccgtaagggc taaatctcaa cattntgcaa gtatgcatga tgacaatccc tgtgcagctt 300
ccatccctta ctttgggttc attgatgaaa tttgggagct taactatgtc aaatttactg 360
tatgtgtttt caaatgtaaa tgggttgata gcaacaccgg tgtgcagacc gatgatgt 418

<210> 35153

<211> 432

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35153

agctnttttg agtagaaaca tgggaccaac tcattntatt tcaaaaaaaaa aaagaaatca 60
tatctagtca aggtctgaga gaccatacaa gtttcttaac gatttctaata tatgcggggc 120
attaagtcta tcatatgctg acaatagccg agaagcccat gaatctcttc gggggcggag 180
taggtgtctg ccatcgctt ggccttggct aacaatcggg gaagttcttg actcccgttc 240
aaggtaagag caaacgatc catccacatg gttgcctctt ggtgtaaaga gtcgatcacc 300
cttctcttag cctctntttc cgcataact tngcataact catccgcgat tctatgctcg 360
tgggccgtgg ctagacccaa ctcttcttgg acttggcgat gatagctaac atgttggttt 420
ctgtctcgca ta 432

<210> 35154

<211> 330

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35154

tgaatcggac atccgtgtga naagatatga ccatttgaat tttgtgcgtc tctatatgcg 60

atgctcctga atcggacatc cgtgtgaaaa gttatgacca tttgaatttc tcaagagctt 120
 ccgttgacaca atatcgagcc tctcgtcata tgatgcgccc gaatcggaca tctgtgagag 180
 aagttatgac cattagaatt tgacgagaac tcacgatgag caatatcaag cgttactata 240
 tgtgaggcgc ctaaattgga cattcgagtt aaatgttatg accattcgac tgtctcaaga 300
 gcttgcgctg atcaattttg agcgtgtcta 330

<210> 35155
 <211> 329
 <212> DNA
 <213> Glycine max

<400> 35155
 atcttatact tgatgatgat gatcccatga ggaatgtgct ctctcggaga ctaaagctca 60
 ggatcattct aggactcgca ggaaggaagc tcaatttgcg acacacgggg tcaatgcgct 120
 atacactagt ggctccaacg tgattgaaca tctgtacaga ctaacaagga ttggagacta 180
 tggcttgaag aggatattgc tatagcttaa gcaactgcgta ctgttctact cctcaattct 240
 ctgcctgaga gtcacgacac attggttggc actctccaca actctaattct acatggaaag 300
 cttagcatgg ataatggcac agatagttt 329

<210> 35156
 <211> 187
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35156

tatactatga aagtgaagtc gataactctt aatgttggag acttcttttg aagttatcct 60
 gcccatggat agtaacgatc gagctttggg caaatggtec ccanattggg aaggaccggt 120
 taaagtaatt cagatctatt ctaatgggtgc ttatgaatta gaggaattaa ccctcacaa 180
 acgtact 187

<210> 35157
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 35157

agcttaccct cactattacc cacaaccacc caccaaacct atcaatgtta agaaaatgac 60
atcggcagaa atgcacttga gaagagaaag gggcctatgc tttacttgtg atgacaagtt 120
ttcccctagc catcgttgtc ctaataagca atattttgtt ccacagtggg aagaagagga 180
tgaacctgca ttacaaccag atccaccaga cgagggttag acagctggtg accctagttt 240
gcaagatcat catttgtctt ataatgctnt anaaggctca tcaagtcttg gaacaatgaa 300
gtttcaagga tcaatanatg gattgcgagt gcagattcta ctagataatg ggagttcaga 360
taatttcctt cagcctagac tatctcaatg cctgaagtac ctata 405

<210> 35158
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35158

tgtggattnt agggattgag ggcagttatg gtttgtgttt atgtttgagt ttgtgtttga 60
ggcttgtgtt ttggaagaaa aactagaaga caaagttttg ggtttaggtg tatgtttctc 120
ttcatagagt ttggccaacg aaatttttct gaggagtcac gtangtgatt gtgcaatgac 180
atcccttctg atatcaggtt ttaatcctcc cacaaagcaa tccaatagag cttcttgtgt 240
aattccttgt actcgattag cttaaagccgc gaactgcacg taatatgact gaactgaacc 300
aatttttagcg agtttaaaca actgagatct atgacattca tacggtgatg ggccanattc 360
tgtctctaata gctcgcgtat aagcaatcca tgttctgaat gatatttcac gagtcat 417

<210> 35159
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35159

agcttgtatg attatggggt acccatcaca tgtggtacta ggtggcggtc gggcgatggt 60
gcacaacaag ttttccacat ccacaatgcg cgcataaacc caccatcccc tgttgccac 120
ctccaactga gctcacgtac tcccacgtag cccatattct cgtttctctc aacaccgggt 180

ccccatcaat cctcccaagc ttccccaaca tcaaagtaat acaacattca cacagcacia 240
 gctatcacag ccaagcaaaa cagggcacaa gcagaaaact ctgctcataa caccaacca 300
 aatcacagct tttctcactt acagacccca gtaacaattc cttcgatcca attcgntaac 360
 cggttgatcg aatcccaaaa tttactggaa gtctctagt cataagccta cattntgacc 420
 gtngngatct actagcatatc atc 443

<210> 35160
 <211> 394
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35160

ntacagcaga ttntagtaat gaccactaa cctagaatta atataactta atgccattaa 60
 cctaggggaat taaaaaaaac ttaatggctg agtgtaactg aaattgtggc aacaaaaagt 120
 caccaccaac agccaacaag tcagccacca tttggtctcc caaaaggctg atgcctaggt 180
 tgccaattgg gcccttatta caacttgaac taaacctaac taaagccctt ttagttgatt 240
 aaccacaac atatttttgg tcagccaact ttacaaggat tgggccatta ttagacaaa 300
 ctaaatactc taaaattgag acaaagtggg ggcatttagt cctcctccat ttgggccatg 360
 atacaactca caaccttggg cttttctcct tgaa 394

<210> 35161
 <211> 379
 <212> DNA
 <213> Glycine max
 <400> 35161

agctttcact ctggaagtct gggtcaggcg cataatatat cgagacgctc gaaattgaac 60
 aacgaatgct ctcaagaaat tcaaatgggc aaaacttgct acacggaggt ctgattcagg 120
 cgcattatat atcgagacgc ttgaaattga acaacgaatg ctctcgagaa attcaaatgg 180
 tcataacttg tcacacggag gtccgattca tgcgcataat atatcgagac gctcgaaatt 240
 gaacaacgaa tggtgtcgag aaattcatat ggtcataact agtcacacgg atgtccgatt 300
 catgcgcata atatatctag acgctcgaaa ttgatacacg aatgctctcg agatattcaa 360

atggtcataa ctttgtcca

379

<210> 35162
<211> 339
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35162

tctcgatata ttatgcacat gaatcagact tccgtttgat aagttatgac catttgaatt 60
tctcgagagc attcgttggt caattntgag cgtctcgata tattatgcac cagaatcgga 120
cttccgtgtg actagttatg accatttgaa tttctcgaga gcattcgttg ttcaatttcg 180
agcgtctgga tatattatgc gcctgaatca gacctccgtg tgacaagtta tgaccatttg 240
aatctctcga gagctttcgg tgttcaattt atagcgtctc gatatgtgat gcgcccgaac 300
cgtacttccg ttgacaagtg atgaccattt gaatttctc 339

<210> 35163
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35163

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gaggcccctc caaagtgttt tgcaagggtg taccaccaac tgcttgccct tcagtggcat 120
atccgaggca aggctcgaag tcggctagac tgtggtgggg aatttcatgt gtctcccca 180
tggttgaga gacatgtaca tgatgaggtt gtcggctctc aatgagtatg ggagcagagt 240
tattgacatc ctcatggga gtgtacgccca cattgngtgg tgtatagttg ggaggcaagc 300
catatggcgg gaagggtgtc tcgttttgaa tntgcacatc atggggctgt ccgtacttcc 360
taaattcttg cctaccatat ctg 383

<210> 35164
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35164

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 aagcatggct ttaagattaa tacaagattg attcaacaaa catagccttg cttcaagatt 180
 aactcaagat caagcctggc cttaaaacaa agtgctttca agacatgcaa ggctctggta 240
 atcgattacc aagcagtgt atcgattacc agaagacagg gttgagaaat agctgttgaa 300
 aagggttttg aatttgaatt ttcaacatgt aatcgattac catatgtttg taatcgatta 360
 ccagtggaga gttttcaaaa aagtcatgac acttcacatt ataactgtgt aatcgattac 420
 acaaacattg taatcaatta ccagtggaga 450

<210> 35165
 <211> 358
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35165

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 gacagttatc attgcttggt acatttgga atgattatat ttctctcttt tcttcttacc 120
 taaaacacag tgaaaagaaa gtgatacttt tgtgattatt agtgaaagta aaatatggaa 180
 atagaaaatt ttcttcacag caaatagacc tttaattttt tattttaaga aaagatgttg 240
 gcaccttcaa gtggaaaattt tctaataatat aagactattt gccaaagtaac atcagctaca 300
 aagaagacag acttttactt tctggtagct ctgaatttgg ttacttctta ttcttctc 358

<210> 35166
 <211> 346
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35166

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 gtcgtttctc cgggagcgac gcgtccagct catggacgat gagtatactg atttccagga 180
 ggaaataggg cgccggcggt gggcatcaact ggttactccc atggccaagt tcgatccaga 240

aatagtcctt gagttttatg cccatggttg gccaacagtg gagggcgtgc gtgacatgag 300
atcctgtgta aggggtcagt ggatcccggt tgatgccgac gctatc 346

<210> 35167
<211> 394
<212> DNA
<213> Glycine max

<400> 35167

atcttctaaa ctctatacaa gaatgaagct ctgataccac ttgttagaca attggcctca 60
gatatcttaa gaaggggggt tgaattaaga tattgcaaac tattttccca attaaaattc 120
tatttcaatt tcaatgcaag ttacaaattc ccttaaaaat gaactcttaa ataatgattc 180
acatcgaaca atctgaatat aaatataaag caataataaa taaaagagtt taagggaaga 240
gaaagtgcaa actcggattt atattgggtc ggccacaccc ttgtgcctac gtccagtccc 300
caagcaaccc gcttgagaat tccactatct tgtagaagct tttacaagtt ctgaacacac 360
atagacagtt cttcctttga gttcatactt cttt 394

<210> 35168
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35168

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tcaactgtaa caatgcttga tgatgataat gcccaagcct tttgtgccag atttctgtgt 120
gattctctat gagagagaaa acaacttgct cctccttcaa tggattttaga gcaaaaacttt 180
ttcctttcat tnttaccttg aagatttctt gaccagctac atctttaatt aagcaatatt 240
tgtcttccaa tacaacttta aatcctcggt caatcaattg gccgacactt aataagattt 300
gggtcaatttt cacaatgaat aggacatcag caatacatct tgtgcctgca gaacttgcca 360
ttgcaactgt cccctttcct ttgactagga tatcatcacc attacaaatt ctgactt 417

<210> 35169
<211> 455
<212> DNA

<213> Glycine max

<400> 35169

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attcatcgca tccactaaca gacgttgagc gccgtccaac tgatgggtact cgtcaccacc 120
accacctgct ccagccataa ttcaacagga aaaaaaaaaat gtgcaataaa aattattaag 180
gtttcaggac ctcaaacac tctactcacg tctcttagat ggtagtacac tcgtgtttaa 240
tgctctcaat aggcttttgt gtaatgtatt ccctcttgcc ttttaccact cgtgtttcct 300
cttaagttcc tggatggacc aaattagaca cacaaggtaa tataaaatag aaggaaagac 360
aatataatga tcacaaacag atttgatttg cgataacaac ttggacttga tttggataat 420
aatatattag atttgattc ggataacagg tgagc 455

<210> 35170

<211> 435

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35170

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gctcacctcc ttgagatgag aagctagagc ttagctacac accccctata atagctaagc 120
tcacccccat gacaaanaaa gatgaaaata caaaaaaaaa aaagtcctta ctacaaagac 180
tactcaaaat gccccgaaat acaaggctaa aaccctatac tactagaatg gccaaaatac 240
aaggcccaaa cgaaggaaaa acctattcta atatttataa agataagcgg gtcatactt 300
agcccttggg ctcaaaatat accctaaggc tcatgagaac cctagggcct tcccttggat 360
ctctagccca atctacttgg agtcttctac ccaatgccct tgcgggatag gatggcatca 420
ataactttca catgg 435

<210> 35171

<211> 438

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35171

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 taatgatgaa caagctcttt tagagtcagc tctgactaaa cttgttggag ctgcaaaaat 120
 ctacaaccta aggatagaga acttagtggt tcaacttcaa tttttatctt caaacttatc 180
 tctagtgtct cttgttatca atccttttgc gtcttatatg tctttaggag aaggcttacc 240
 agatgtaggc tttattttgg atgtatntaa gtttttctct atacctatat taccaagggtg 300
 aaactccaaa tctgactgga gaacaatacc aatagtactt atgggatgtg tctaagtttt 360
 ttccataacc tatatttctt tgaaggagtg gcaactgatta ctttcttaat tttgctttac 420
 aggtagaaac aactttgg 438

<210> 35172
 <211> 442
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35172

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 ggctcttcat tccaagaccc ttgtagacat tcctttctct gagactctaa gagggtgattc 120
 gggtcattgag catcctttat tccaagaccc ttgtagacat gcctttctca ctctgctttt 180
 ctttcctttt tcatgtaata tggctaagta cgattaccaa tccatcaaaa gaaaaaaaaag 240
 ttgtcaatgt tgaagtggca gaagattgtg ctctcctcc tccatcaac actgagtcctg 300
 acgagaggaa ggatcttagt ttttcttctc aagatgttac aaggaagaag caaagagtgg 360
 ctactccatc atcgattatc gctcccttct ccatcgagag ccactcaatg ttcctttcta 420
 tgaaggaggg tgagtattct ca 442

<210> 35173
 <211> 441
 <212> DNA
 <213> Glycine max
 <400> 35173

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 gatgatgaat tcacaatctt ctaaaagcct gattgatctg aaaaataata tcataacttt 120
 taaattttat gaaagtgcaa agctaattgg gcgagtgtca aagtttgatc tcattaagaa 180

atggatttct agaagacacg ccacatcaca tttgtatcgt attaaacaat taggtccgaa 240
 agaataatgg ttcaatttaa atactctcaa gtgtccccga acaatatcaa aacgttgatc 300
 ctaatctatg ttgaaaagac acccaaaaaa gaacaaatta cacatctaca aaagaagatt 360
 atgttaaaca caagatatca catatgatcc aatctttcgc cctttagttt tgtataattt 420
 cgtttaagtg cgcacacatg c 441

<210> 35174
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35174

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 ctaacaccaa ataaaaaag attaccgcta tttaactat cttttcttct tcttgaagtt 120
 atactgctat atggagacca tgggtccattg atgatctaga gagtgtcttg tatgtgtggt 180
 atacatgtgg atgaggatgt tcctttactg tggttcacia agtgacttct agcgccactt 240
 aaccaaagtg tgtgagtgtc tctcctcaa taataccgaa acattgtgta tgatagcaca 300
 cattatataa aaaaagttct taaaaaagggt ttgtcaccat gatttggatc acatcaagat 360
 tctttaactg tctgtgtttg taattggaac tgcacgatc acatttgtcc atgaattgtc 420
 gggatatcaa taaatgagat gatatcacia ca 452

<210> 35175
 <211> 356
 <212> DNA
 <213> Glycine max

<400> 35175

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 aggcaattcc accatatctt tgcattagtc aatactcata tcttctacia ttggaagagc 120
 atctgatatt agcacgttaa cgttttcaaa agcctgtctt gtattacaaa cgtgaacgta 180
 tgatttttta agattcttct tcatgactac gggaggatcc gagatccgct ctaatctcat 240
 tcttcttacg ctggatcatg agatcacoga ctcaatatcc ttcatttcat aacgatggaa 300

THE JOURNAL OF THE

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<223>      unsure at all n locations
<400>      35176
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<210>	35177
<211>	446
<212>	DNA
<213>	Glycine max

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tgaggaagga	tctcactaca	ctatcccaga	catggagtgt	gtgatcatac	tccaacctca	120
ccaccacttc	tcacatgtcc	gatctaaata	tggacagggc	gaggttagtc	tatgggctag	180
tcataaagat	ggacatggac	ttgggctcgc	tcatatcagg	ccagatctga	cagatggccc	240
agaccaactc	ctcgcagctc	ggcttcccat	ctctcatcac	cgccttatgc	gtcgcccaag	300
gagtatatct	agactgcctc	acattcgagt	cctagagccc	tgccattaaa	ttggcataca	360
tacagaagaa	ttgcttgaac	atggatgata	ccacaatcac	ttttccaggg	acccgtaagg	420
catgggctag	agtatctgag	gcctat				446

14650

<212> DNA
<213> Glycine max

<400> 35178

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aacaaatccc aatggtgatg acgcgcataa atgatccccg agcccgatgt tcaaaagtca 120
agatgtacca cgactagatg ggcacatcat accaaatcat actattacta agacacgttt 180
ggatggatgc aggaaaaata tactgtctct cgagatgaag aacggaagcc gaactcaata 240
ggaagagaga acataccgac gtatcatgag cgtaacaact gacctatcat atct 294

<210> 35179
<211> 227
<212> DNA
<213> Glycine max

<400> 35179

ctacttcatg cactcatcta acgacaatag catcacttct ggcactaaat tgccgggagt 60
tggaagccat cttctcaatt aaatttctgg cttcagcaag ggtcatgtgt tcaagggctc 120
caccactggt aacatctatc atacttctct ccatgttgct gaggccttca taaaaatatt 180
ggacgagaag ctgctcagat atctgggtggg gagggaaact agcacat 227

<210> 35180
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35180

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gatgatgcc aacttgaatt gccatttgag tgcactctga gagtcttaaa ggtaaaggct 120
tttcttagac aaacctgaaa gtttcttaac actaagagaa gcatcaattc atatcatcat 180
catcattaag tagagttata tatgaatgta tattctaact caatgctaata gcaatttctt 240
tttttttttt ctttatcccc ctacataatg ctaatgcaat acactatgct aatgcaatgc 300
actatgctaa tgcaattttt ctcccccttt tggcacaaca aggccaaaaa gttattacta 360
ttcatagaat ataaacaaac aagcatataa tgcgaaaagg gaaaatatca tggcctttta 420

ttcatataag agccattaca acttagacat

450

<210> 35181
<211> 325
<212> DNA
<213> Glycine max

<400> 35181

atctgaggcc aactataagt ggtctttcgg ctagcacagt cggagcaccg ttcaaccact 60
tggagttatg gaagatctac tcgccaaagt taatgggtcc gttttccttg aacattttta 120
cattttggat atggaagatg attcatctag atatggttct atattgatcc taaggagacc 180
attcctcatg acagcccaga ccaaaattga tgtgcatata cggacacttt ccatgtagtt 240
tggtgatgat gctgtgcagc tcaacatctt tgatgccatg aagcatccct cacaagacca 300
ctcactcttt cttcttggat gttat 325

<210> 35182
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35182

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agctcacctc cttgagaagc ttcttaaga agattcctaa agaagctaga gcttagctac 120
acatacctct ctaatagcta agctcacctc cttgagatga gaagctagag cttagctaca 180
cacccttat aatagccaag ctcccccca tgacaaaaaa catgaaaata caaaaaaaaa 240
gtccttacta caaagactac tcaaaaggcc ccgaaatata aaggctaaaa ccctatactc 300
ctagaatgac caaaatacaa ggcccaaagc aaggaaaaac ctattctaatt atttaciaaag 360
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ctagggcctt ccttggatct ctageccagt c 451

<210> 35183
<211> 431
<212> DNA
<213> Glycine max

<400> 35183

gcacaaggca agataaaatg tctaatagaag aattgaagtt gcaggatcca cgatgtcgga 180
tacaatgtcc tgacatcctg cccgaaaata ctggagttgc tgcacaatgc ataagtcaag 240
ataaagtgtc aatgaagca ttgaagctgc aggatccacg atgtcggata cgatgtcctg 300
acatcttgcc cgaaaatact ggacacataa atctgttata tctttaacag attattgtgc 360
agtttagcaag agattagatg atctatcttt aggaacgaat taaaagatca ttanagttcg 420
aatttc 426

<210> 35186
<211> 446
<212> DNA
<213> Glycine max

<400> 35186

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aagaacggtt gagaatcttc gcgtaattac tcacgaaaac gttacggaag cgcctcggtt 120
tggattttct tcacggaaat aattttcatc agcaatttcg agagaataag aagtgcctaa 180
aaggttgaac ctttttcttc ttcactcctc cccctattta tagcaaaata ggggaggagc 240
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agaagcaaca accttctgga ggaagaatct ggaaggccca agtgggcccag attgctatct 360
gtacccccac tttttactaa acgcacccac ttctactttc ttggtaattc tttcttcgta 420
acgttacgaa acttcacgaa tttcgt 446

<210> 35187
<211> 429
<212> DNA
<213> Glycine max

<400> 35187

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aagggtcac tgacctcgtt gagcgagtaa gtgaagctct cgctcagtg caaacttgcg 120
ctaagcctgc aaggtgacag atgactctct gagcgagctg atgacgctct ttgcgcattg 180
ctgcgtgacg aatacccttc cacattcctc ctatctgcta agcaccgtga tgccctcactt 240
agcggatgac actcgctaag cacattgagc tcgttttagcg agacatcaac tctattatct 300

<213> Glycine max

<223> unsure at all n locations

<400> 35190

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ctcacacacc ttgttttagcc aactgagcta aacccttttg atgccttctt ttatatatat 120

atatataact tcttttatct atttctagta tgtatacccc ttttctgaat tgatggaata 180

tctgaatata gagcttttgc aacagtcatt tattgtacaa tatcacaact cactagggta 240

ttttttttcc atttcttctg atatcatgta gtaattctct tcgggcttct cttcaaaatt 300

tggaaagagt ttcacttagt tcaacaggga tgaatacaca tggacatcca aaacgtaatg 360

atgattgtga ttgcactctc tgcttgaagt tactgtatga acctgtcaca accccttgtg 420

gacattc 427

<210> 35191

<211> 444

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35191

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taagtattta ttacctatac ttaacataaa atacttatat cactacaaaa taaccataaa 120

ttgggagagt ttgatataat ttatacaagt tttatacaca aaagttagtc gtgttcaccg 180

actaacacaa cacacatttt ctttgattgc tttttttttt ttacacaact tatttggtat 240

gtgtgtgctg atgctttacc tttttcttta cacccttctt aactccactc ccccaaattt 300

ggggtaagtt tgccttgaac catatgctct cctagaatct aaacaaggta tttggagata 360

attatttaag ttcggcgctt aattntgaca atgtaattca gctcanaaag ggtgcaaagg 420

atacaattat tattcaaggt aagc 444

<210> 35192

<211> 438

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35192

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 aggatggacc cttgggtact agtaccctcg tcttcagagg gctgctcgcc ctgctcttca 180
 aaggactaca cgtcctcgcc atcaaagggc tgcattgcca cgccatcaga ggactacca 240
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 gaggactaca tgcctcacc ttcagagggc tacacgacct cgcctttaga ggacaacacg 360
 tntcgcctt ctgcttcgta gggctacacg cccatacctt tagaggacta cagctcttcg 420
 ctttcagagg actacacg 438

<210> 35193
 <211> 452
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35193

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 tatattggaa caacagaata ctgcaacaga ttctgaaatc tgttatccat aacagtgcaa 180
 caattttctg aattgtaatc agttgctaag ttattatctt tctagtgcct tacccttcta 240
 gtgctttatc tctaattttc tttatctgta atttgaattc ttgatttgct ttatctgtaa 300
 tttgaattct cagctctata tatgtaactt atatcaacat caatgaaact gagctcttta 360
 ttctattcat tctctctatt ctctatacct cacacgatag ccactggatt aaagagcana 420
 aactgcgtag ttaaagtgta catgctattc ta 452

<210> 35194
 <211> 458
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35194

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 attntccacc atggaatgca gcggaagaca aaggagaaga ggtgagagga ggcgcaatcc 120

attaaggaat aagccatgga agaaggagct tcaccaccaa gatgagcctt ggataagaag 180
 cttggagatg atgcttcaat ggaggaaaag aaagagagaa ggggggagca cgaaattgaa 240
 ggaataaaaag agggagagaa gtggaacttt gaagtgtgtc tcataagact ttcattcatc 300
 aaagttacaa caagtgttac acatgcttct atttatagac taggtagctt ccttgagaag 360
 ctntcttgag aaaacttcct tgagaagctt ctttgagaaa actctcttga gaagctagag 420
 cttagctaca cacacncctc tcataactaa gctcacct 458

<210> 35195
 <211> 591
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35195

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 caccctggan gcatgcaagc taccaaccag cctcttcttg cgctacttct tggcgacta 180
 ttcccactgc actgacgaaa tatcacggcg aagtgtacgc agccacatca ttgctaccat 240
 cgccacacag acacagaaca atcctccccg agtcacacaac ggagaaccac cgaaccgggt 300
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 tgcacgcaac cgcaaagcc cgccacacaa catcacaacg atgagactaa gacaaggaag 420
 acgacaatac gatgacgaac gcgactcccc ttggacgcga caaaacacaa cgcaattcat 480
 caatgagaac gctcaccgaa agaccaccac atcgacctac acaaactgcc cactaccctg 540
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<210> 35196
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35196

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gatggcatct aacttgattc aaattattat ttgttatggt ctacagggtta nggagatatg 180
 cggttgagtc atacttgga caaattttat cacatgggtt cttccatgct gaccctgtga 240
 gtttgtactt ttagaatcaa tatcagaaat ctctctatat attatgttac attatatatg 300
 gattagctat ctggtaaatt gtatagtaaa gccaaaatgt taactgtctt tgaacttgct 360
 cttatgttgc aacgctagca tctattgtct gagcaatgag atgtacgcta cttgtgtttt 420
 acaattatta ttcttttgct ag 442

<210> 35197
 <211> 447
 <212> DNA
 <213> Glycine max

<400> 35197
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 gaagagaagt tcaaattccat agccatcaaa gtctgaaaag agtatgatga actaaggagc 120
 gtcaatatgg ccaccgctga agccttgga cgagaaacca agaaggcccg aaaggaagaa 180
 cacgtgccag caaagttttg aagggtttta tagggcagca atagtaagct caagctccga 240
 agaggtgaaa ggaatcatca tgggtcaaag gcatgatctt gaaggacgag ctaaaggctt 300
 accttaggtc gaaaagaaat ttgtcccaac agttaagcga gactgaaggg aatatgtggg 360
 ccgtcatcga tgagtgcaaa gagaagctaa atctagcggc gactcacgag caaaggctag 420
 aggatgagta cgccaagata tcagcag 447

<210> 35198
 <211> 443
 <212> DNA
 <213> Glycine max

<400> 35198
 agctcgaaac atatagattg aatcctagct cctcttaagg acttagttat tatatctgtc 60
 aactggatcat tagaattgat gaaccagcg ataatctcct tggacaataa tttctctcga 120
 atgaaatgat aatcaatctc tatgtgttta gtcttttcat gaaagactgg atatgacgca 180
 atgtgaagag ctgcctgatt atcacagtat aacttcattt gcaccattc acaaaattcc 240
 aactcttga gaaattgttt aatccacata agttcacatg taaccatagc catagatcga 300

tattcagcct ctgcactaga tcgagcaaca acagtttgtt tcttgctctt ccaagcgata 360
acattccctc caataacaac acaatatcct gaggtaaatt tgctgtctat gggacaacca 420
gcccaatctg catcacaata tct 443

<210> 35199
<211> 565
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35199

ccaccctcta tccagcacac cccgcgcacg agacgatgga ggcacccaa ncccaccaga 60
annaacgcgg aanaacctgt agaccgtcgt cgtacgncac accatagaaa ctcaagctcg 120
cacactcgag aagcacgaca acattgtata tagacgagat catcttctct acatcccgcc 180
tagagccgag acgcacccat agaccggagc caacaaccaa attgccacag aaaaccaata 240
caaaccctcc agccaccgga gatgacatca caaagaagac aacagcgaag catccccct 300
ctaagtatgc accgctgaga gatcacacgc agaccaagct aaagacacac aaaaaacatg 360
cactcgctta accagcgcca aaaacgaggg gcaaaccctg tcagccatcg ccgcatacgc 420
ttcgaacacc cagcctgca tacgaccact gacgcgcncc caacaaaaac gagccacctc 480
gaacgagaca tgcggatgac ccgacacctg aatcataaac ggagaaacc tgagtccatc 540
cccactacgc gcgaacgagc cgaag 565

<210> 35200
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35200

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gggggggggt gaccatatga aacgacaact cgatagtaac gactattcct tgtattgaga 120
caacataata ctgtaccgga ttatgaacta tggatatacat aagagcgccg actatctctg 180
aaacgtaatc agttgataga ttattatctt tatacagctt tctccttata gtgcttgatg 240
atgaattacc tttatctgta atccgaattc tcgacacgcc ccatctgtaa gttgaattct 300

cacctcgata tatgtaactt atatcaacat cactgagact gagctcatta ttctatacat 360

tctctgtata ctctata 377

<210> 35201
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35201

ttgatgtttg tgttgaatgc attaaaggta nacagacctt atgcacgana taagtgcata 60

tagggctaca gacgtcttag aattgataca tacgaatata tgtgggtcat ttcatacacc 120

ttcgtggagt ggttgacaat attttatatc attcatagac gattaatcca gatatgcata 180

ctttgttctt atacatgaaa agccacaatc tttggatgtg ttaaaacatt taaagtttaa 240

gttgaaaatc aactcaacaa aagaataaag tgtgtcagat ctgaccgtgg tggtaaatac 300

tatggcagat atgacagttc aggtgaacaa tgtctgngc cttttgccag gtatctagag 360

gaatgtggaa tcatcccaca atacaccat 389

<210> 35202
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35202

agcttgagca tcctataccg tgttgaagat atctcatatg tcttcaggac tgaactgatt 60

catgtgctaa cgaggtttca tggccttgct cgacaagacc tgcacactca ttgcatagaa 120

tgtcacatcg tctgtccaa cataatgacc tcagatgtca catagatgat cacacactca 180

ctgaccgctt tttctccttc attacatgga gtggcacatg actgactgaa ttaccttgct 240

ccaaggtcca tcgccagctg ggatgacctt aatagactat tctcataaca aattatgtct 300

gctttcagca ccacatacat tangaatgat atctccagtc ttacataact cctcggatac 360

agccctgttg actactgcta gagattacac aactatgtgc c 401

<210> 35203
<211> 419

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35203

agacgggtcaa caatgaanga gccgncgatt gtatctactt tctatcctgt atatgacagt 60
cacacgactt atgagcggtc gacaccatta cagcttcaag gccgataaag ccatgggtcat 120
tacctcccgt agcgacgagt gcagctcatg gactactagc atgctgattt actagaagag 180
ataccgcacc ggtcgtggac atcactgggt acccccatcg gctgggtcaat gcacatgtag 240
ccttgattct atgtcacgct tggccacata cgacgccgac atgaccactg tcctgcgaac 300
tggtcagtga ccctattat gctgagctat agccactcat ggattccgta ctgctggaga 360
cgccagtatg cactatggca gagaggaacc gttgatggtc gagagaggca tcccagtct 419

<210> 35204
<211> 219
<212> DNA
<213> Glycine max

<400> 35204
agcttggtcg cacatcgctc gcatctatga tattcactct acaagggctg aagtacatga 60
gaccttaaat cctataacgc aatgcggcca ctaatagcgg gcagttaact tgactgcgca 120
ttactgtcaa tgccgaaagt attctgcact ttactatcca tgttcacaca ttattgcaac 180
ttgtgcttat gccagcatga actacttcca atatataca 219

<210> 35205
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35205

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atgtgctcag atatgtgggg caattttggc ttgctttgct gcttgattgg gttggattga 120
gggtctgtat gggatggccc taggcctata atgcattctg aaacaatggg acatgccaca 180
ttgtaccgt tctcttgcta ttgataccta aacgcgcgcc caccaagtgt tcggtgaaat 240
gcctcaatgg cattagcgcg tgactcttgt aaggaaacaa cccatggggc attttggatt 300

gcacatatta tctatTTTTT cggacatgca ttcattcccc acagacgcta gagtatttgc 360
ccacatatat cctatgtcta ggaactaaaa ttctatgcac aatgaacac 409

<210> 35206
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35206

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cgattatcgt cttctatttg acacgatctg cactgcagac tatccggaac caaatgacaa 120
gaggacggac accgccgaac gaacgcaacc atcatgacgt tccaagttag gactcaggaa 180
ggctccaagt tagggcaccg cgtaacagct accccagtga gactgccttg ggagaaatgt 240
attagcagat actcatcaat gacgatgccc ttatcgttcg acgatacata ccaggatggt 300
tcatgcggca ggtaaccccc ttgtactagt cagagtacag caccatgaac tcgcgagggg 360
tgacgatacc gggaaccacg aacaccactc ctaggaagca aaggcacaac tgtacacgct 420
caaggacgtg accgatctcg 440

<210> 35207
<211> 391
<212> DNA
<213> Glycine max

<400> 35207

agctcgttcg cacatcgttc gtgtgtatga ctattcactc cacaaggttt gaagttgagg 60
agaccttcaa tcctattaca caacgtggcc gacaaaagtg ggcagttaac tcgaatggtc 120
attattgtca atgcagaagg tattctgcgc ttactatcc atgttcacat attattgcag 180
cttgtgggta cgtgagcctg aactactacc aatatataga tgttgtttat acaaatgagc 240
acatcgtaaa agcttactcc gcacaatggt ggcctcttgc gaatgaagcg actattcctc 300
cttctaata cgcattggaca cttatccatg acccaacagc aattcgtgctg aaaggtctag 360
ctatatcaac aaggataatg aatgagatgg a 391

<210> 35208

<211> 446
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35208

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 caccgaatat aactcgctaa gattttcttg ggaaacaaac gatctgcata attttctgag 120
 atgaagaaag ttaaaaggaa gagaatctgc agttggaaga tctctcagct cacgaatctc 180
 taatgttgat ggcttgcttt tcatactcaa attaaagtgc gtgtgtgttt gtgatcaatt 240
 aattaatgtt gagttttaat caatggagta tcagtttata tatatttacg acagcagcac 300
 taaacttta ttaagaaaat atataccact gacatgaatt attcaatcaa tcagcatgac 360
 gacatatcaa tgctatccgc attaatatag gaataaaagt acaagtttat attattaata 420
 attaataatg ttcaatgaaa catgga 446

<210> 35209
 <211> 431
 <212> DNA
 <213> Glycine max

 <400> 35209

 agcttttttg aaggtgcctt attgtgtgtt gttttacctt cctgagacaa tttttacgtt 60
 aaccctcccc aaaattaggg gcatatcatg actaacatcc ttatgctcta ttaaacccta 120
 atacaaggta ggagataatt aaagtaggct taagggttct acaaaaaaca tgattatcat 180
 ttttggttta aataacgtgc aagggtataaa ttatcaccaa aggttggtt tttggctaag 240
 tggcttaaaa taagaagaaa cattgccttg atcattacca cctcatgtaa ttaatctaac 300
 agtctaagaa tgatggaaaa tcgggaaatt aaaaatagac gttctctcac aagtaagtgt 360
 cgcacaactc accgggacaa aacaaagttg ttagcttata gcaccatgat ttctctcaga 420
 tggactaacc t 431

<210> 35210
 <211> 422
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations

<400> 35210
 agcttcttat ccatggcact ctcttggtgg cttaactcct tcttccatgg cttattccct 60
 agtggatgac gtctcttctc acctcttctc ctttgtcttc cgctacatct ccatgatgga 120
 aaatcacgat tgaaggacct cattgaagcc caaagatcca gcctccatag aagctccaca 180
 atcaagcttc caccacgtaa atgactgaag acattgaagt ctttgaaatg taaatgaaga 240
 cattatagtc ttttgaaagc gtaaataaat gaagacattg aagtctttga aatgtaaatt 300
 aagacattgt agtcttttga aagcgtaaata gactaaagac attgaagtct gtgaaatgta 360
 aatgaagaca ttgtagtctt ttgaaagcgt anatgactga acgcattgaa gtcttttgaa 420
 at 422

<210> 35211
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35211
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 caagtacttc ggatttggtc cgaccatgcc ctcttgattt ccagctggga aattggcgag 120
 tggaggaacg ccccggcatt tacgcaacga gcataatgta aacctttacg gttttaaaag 180
 ctctatagtt gggcctaggc tttagagttt tcattntggt aaggctttgt gtcttttgtt 240
 tttgaattta taatacaagg atctttcttc atctgttctt ggtctctacc cattctcatt 300
 cttttgcatg tttacttctt tntctgaaac ggcagattcg atgacgagtc cccgaaggt 360
 actaatacct gngacccgtc tatcaacttc gagcaagaaa tgaaccanac ggaagatgaa 420
 ggagatgagg atgtgggatt t 441

<210> 35212
 <211> 448
 <212> DNA
 <213> Glycine max

<400> 35212
 agcttatgta tgaaagatgt tgtataagtt tgtattgaat tttttggcag cccctcaaca 60
 gaaaactaca tagaagatat gaaggcagaa cacttagaga aactagcaaa gctggaagag 120

tggtgtaagc aaattcttat tattactttc tcgataagga tatgcatttt gccaatattt 180
 ttaagtacat atttttttat actgaagaac aaattaaaat tgtaaattac tgatttcttt 240
 atattcgtaa atgtggttca aagaccatat cagcattaag aacaaacatg ggcttttagct 300
 tcatttgaca atttacactt gaaaaatatt tatcaacca atatccaaat tagaggaatg 360
 actaacattt cacagtggca atgtactcaa aatattgaat gttattactg taatacttta 420
 gaatgaaatg agagatttat ttattgga 448

<210> 35213
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35213

ntgacattct aacttgtttt gaagggtggg ttannactaa atgttttttt tatggataaa 60
 tgcttacgag tctacttaca tgatctaatt gatttgaagg ctttaataata atgagatcat 120
 gattttttat ttttctaaat attcattata gacttaattt atggtgtcat ctttaactta 180
 ccatcactta tgactatcac ccaaaaaatt ataaccaaga ttatattaca tattactttt 240
 catcaaatca tgtttgactt gaataagcct cacttggtta aaaaatctaa aatcaaagac 300
 catcaagtat ttatcatata tttcacttgt taggcttgac ttaatcattc ttagcttata 360
 tagttatgta tgtcaaacta cttgttaggg gttggactnt caaataggac aaatcattaa 420
 agtaagcttt aacttccact tgtcaagagt g 451

<210> 35214
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35214

agcttgtaaa tgttntanaa tagttaaaca attcttgana actattatct actctaacac 60
 tcttcttaac actctgctaa aattcatata acttctatgt ggatctcatc atccgtttga 120
 ttagtcacat actaaattgt aacacctaca tgaatttcaa cgattaagaa aaatacattt 180
 aaaaaaatag aaaatatatt aataacagtc ttcacagttc taccagtgc aacaccatt 240

tgatacttgt ctttatctaa ttcttcttat tacgtattcc tctctcttgg atagcaatgt 300
 atgtttttcc ccagcataaa tactcgtggt gtagaataag ggagggagagg gaatgtaatc 360
 tccaatccca aattgttgat atcccttgaa attcttggct actaccactn tgcttattat 420
 agctaatacac gaacaaactt attgtag 447

<210> 35215
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35215

ntgctggcgt tgagaagata tcacatgttt gtcacatca ataagttgga gaatgtgaat 60
 gtatgtatac atgnatttga tgatggcaaa agaagaatca cacaatgctc atatggcttc 120
 aagattaaga caagggatga ttcaacaaac aaagacttgc atcaagattt cttcatgac 180
 aagccttgcc acacaatgaa aggggttcaag tcattcaagg cacatgcaat ctattaccaa 240
 tggctcgaaa gtgtgtcatc gattacacat catatgtaat cgattaccag agactttgaa 300
 cgttgggaac tcagatgtta catgacgggt cacaactcgt ccagaaacac tattgtgtaa 360
 tcgattacac tatatctgta atcgaatatc agagaggatt ttcaaggcat atcgccaaca 420
 gtcacatctt atca 434

<210> 35216
 <211> 419
 <212> DNA
 <213> Glycine max

<400> 35216

cagctgtcag aagcgagtag aagatcattc tttcagaggg ttatgactta tcacagctct 60
 acacatgaag aggatcgagg acacaccata cctcaaacta aagtgcttat aagctcatac 120
 taatcaatgt acacatacct ccagcagaag gcacactatc tgagcttcag atgctgacta 180
 ttatggacta cacttattga gtcacatcata gtactgtcc agagaagagg acaactttgg 240
 cccgacttgt ggaatgtgca tatggtcatt cccagttcct ttgagaagac atagaatcat 300
 tagctgcgag caacatcagc ttgtaagctt ctgtcttata gtctgagcac agaataatgaa 360

<400> 35217

<400> 35218

<210>	35219
<211>	387
<212>	DNA
<213>	Glycine max

agcttggtcca tgtcaagagc caacaccaag ttgtatgatg ttnttacaaa aatacttcca 60
ggcccaattt ttggtaaatt cattgccaaag ttgggaatga ttaacatcta ttgcgcaact 120
tgaggggggta tcacgattaa gcagttggag ttagttacaa gaagttattt gagtagttag 180

ttggttatgg cagttagttg gttactagaa gttatttgag tagttagttg gttatgacag 240
 ttagttagtt actagaagtt atttgagtaa gctagttggg tactcaagtt agttattttc 300
 tgtctttgta taaataaacc aactctgtaa tactttgatg aatgaatcct aaaaatgggt 360
 ttcacatc ttcacatc gataaaa 387

<210> 35220
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 35220
 gattcaaaga atatgtggaa aagttgtttg taaaggctgt cacacattgt cataatatat 60
 ctcaaaatgc acgtcaaggt cttgctttta tagactctcc aagtctgggc aagaaaacca 120
 ttagaagagc tataaccttt agaaaaacct gaaaaccatt ggaagagtta catctttaga 180
 tttttgttca gaacttgta ctggtaaagc attacacat gcatttttgt gaaaggatgt 240
 gactcttcac aattgaatct gaatttcaac gttcaaacc attggtatc gattaccaat 300
 atctcgtaat cgactacacc atttcgaaat caattgaacc gttgtacatt cagttgaaag 360
 ctcttgcaaa aaaatcttct cactggtaat c 391

<210> 35221
 <211> 315
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35221
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 tattcaccat ttttttaata atttatatat tgcattcttc tatatttgta taaatttaga 120
 gcatgaaagc atttcacaaa atacagacta cagaactcat tttgaccaat ataggatgat 180
 atagttgggc ctaagcctag tagctggact tcaaatgaat atgggtctcta taaaatatgg 240
 agtcggccac cccaatacat tgtcacactt ggctacatgg atcangctac gccgagtcga 300
 ctacactatt tacct 315

<210> 35222

<211> 325
<212> DNA
<213> Glycine max

<400> 35222

tagcttacaa atatgttata aattcttgcc catttttgaa atcagatcac agctagatca 60
catcagatgt gatatgatct agatgacata gtatctatat gagatgccat ctaaatagata 120
tctacataag agaagatcta acttgataga acaaagctag ctgccctctt caagtccaag 180
ctcgagtctg gattcaagcc ctgccccgat tctggatata gaccaaatgc tttattgagt 240
cctgaaatta gagtaatatc atcaaagtag ctgctgtggac ccgaataata ttactgccta 300
ataaatttga caattaggac taatc 325

<210> 35223
<211> 214
<212> DNA
<213> Glycine max

<400> 35223

ctttctccct ctccctctcg cggttctatt cctatttct tcttctttat tgaagctcca 60
tcaaagctgc aacctttgct caccatttct gctccacatc gcagaaggaa gccacttttg 120
gaatcgtgaa atgcacctct acgttgtggg acttcaaatt acaagtctgg gtagacttct 180
tctcacataa aatttagtgg gtatacgggt gttt 214

<210> 35224
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35224

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tgggctgtat gactgcaaca tgattacact gaatttggtg tagtatgacc acaacaagtt 120
atggaacana actcanatat aatttcttag aagccattat atcatgctct aattaaaatt 180
gaagttaagc ttctataatg tgtattaaag gtattattag agaattatat gaattaacta 240
tgtgaaactt taatcttgat tgaagaacga caatcaaaat ttgcatataa attttatcct 300
ttntgataga ttgggtatgg tggtattctt taaataatga gatttacgct ttgattgcta 360

agttttgctg tggaattctt ggagaagtgt gctacaacat cttgaatttc taggagcttc 420

acttaatcat ggact 435

<210> 35225
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35225

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ggaatcttct ggagggccca agtgggccta gttgctatct gcacccccct ttctattttt 120

ttgtaattct ttttccgtaa cgttacgaaa ctttacgaat ttcgtaacga tacttatttt 180

ccttccgtaa ggttacgaat ccttacggat tatgtattta ctctttttta cctttcgaag 240

aagttacgaa aactcacgca ttgcacaaaa acacctcttt tcaacttccg ccacaatacg 300

gaatttcatt gatcgcgcaa gcctgcttcc tttngatttc tgagacgtct cgggacttca 360

tttattgtgc aacataggac gccaaagtatc tcaaagcggc taaccaaagg tggcatgtta 420

tcaagtaata 430

<210> 35226
<211> 349
<212> DNA
<213> Glycine max

<400> 35226

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ctacaccata ataccaccca ttttctaggg gttatatcaa gctacgcatg ccgccaatga 180

ccttgccata gaccgtccta gttttataac cgttcccca catgactcat accaccatta 240

cacgcgcttc atacagacat tgtagcccaa ctagggagac cacggaggaa atgctgacca 300

cctgacacga ctgtaaagcg gctgctaacg attcttctgc ggataccac 349

<210> 35227
<211> 447
<212> DNA

<213> Glycine max

<400> 35227

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atcatcatgc tttgataaat gccaaaaaaa actagggcaa atgaagaaca ccacctttag 120
cacataccta tatcaaccac aaagtctgtc taccgcactt ccaatgacga acaccacctt 180
tagcacatac caacaacacc aaccaagata tgaattttgc agtgagaaaag cctgtacaat 240
tcacccaat tccagtgtcc tatgctgact tgctcctata tctacttgat aattcaatgg 300
tagccataac cctagccaag gatcattaac ctacatttct ccgagaatac gactcgaacg 360
caacgtgtgc ttgtcacgga gaagccctga ggaattccat tgagcattgt atggctctga 420
agcataaggt gcaaggtcta attgatg 447

<210> 35228

<211> 449

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35228

ggttgctttc ttctttcctc taatgtttct gttagcctgt ttgtgttgat gtcgttcagc 60
acactgctct ttctgctcct tattgcttag ttaggaattt tagctttgca gataaagctc 120
agaaagtttt atagttgtaa aagggttaatt tttttctgat cttattcctc ttcccctaca 180
tttaatttca ttactttttc cacttactat gttgttgca ccataaataa tttattgatt 240
atatatatat atatatatat atatatatat atatatatat atatcaatat 300
gagtactaac aacacatata attgaatatg attagatata tatcgataaa acatatctga 360
taattttctc cacaactttc agttgtgctt atggctctat gcagataatn ggtcttgtga 420
gtagacaata gttgacagtg gagccagct 449

<210> 35229

<211> 340

<212> DNA

<213> Glycine max

<400> 35229

agctcttagt tcctctcatt acgttcttga aatatgggca cggagcaaac acgctacgtg 60

ccttttcttc ttgttctgca agttcttcag tctttgaaat agaggccttt tcttttgatt 360
cagaagccac ttctttcttc acagatgcag aagcaacaat agcctaaaca cc 412

<210> 35232
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35232

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ctagcatgcc acatattcaga acattcaaca ttgacacaaa agaagaaaca ctagatattt 120
tattaataga aagagatata agacttaact taaacatata atcacaaatg tagcctttac 180
caataaaaac accatgtcta gtaataacaa ctctattgga ctcaaaaaca accttgtacc 240
cttggttgac taacaaagaa gtacttatta aattttttct aatataaaaa atatgataga 300
ttccatctaa aacaagaaaa ttccctgaag atagctctag cttcacttgc cttctcctaa 360
cacatgtgcc atactctcat tctcattct catagtagct gtgcttgatt cctgatataa 420
agaannataa ttttttatca gcacac 446

<210> 35233
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35233

agcttgtagg attatggngt acccatcaca tgtgggtacta ggtggcggtc gggcgatggt 60
gcacaacaag ttgtccacat ccacaatgcg cgcataaacc caccatcccc tgttgccac 120
ctccaactga gctcacgtac tcccacgtag cccatatact cgtttctctc aacaccgggt 180
ccccatcaat cctctcaagc ttccacaaca tccaagcaga acaacattca aacagcacia 240
gctatcacag ccaagcaaaa tagagcagag gcagaaaact ctgctcaaac accaaccaaa 300
atcacagctt tttctcgctt anagacccca gtaacaattc cttcgatcca attcgttaac 360
cgttggatcg actcgaatat tctactagaa gtctctagta cataagccta cattgtgacc 420
gttgggatct acta 434

[illegible][illegible][illegible][illegible][illegible][illegible][illegible]

<223> unsure at all n locations
<400> 35236

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ctgggtccctc tcttcccttc gcagcttgag ttcactattg ctacccacaca gagctccgcg 120
aaattttattc cagccatact cttccttgcg agccctcttg gtctcttggt caagggctct 180
tgcggtagtt gcattctctt cccgtaacct ggcacactcc ttccgaatgt gtgtagtggc 240
caacttgaac ttctccttgg caagtttcgc ctttcctaac tcgcttttga gagcttggac 300
ttcttcgtcc tgttcgggtg cttcaaaact ctcttcgctg acgactttta acttgggtgag 360
ccaatctaaa cctcgtatat gaactttcaa ccattcatgg taccaccaa tgatgccatt 420
acgaatgcc ctaagttctt gatc 444

<210> 35237
<211> 414
<212> DNA
<213> Glycine max

<400> 35237
agctggctac attgatgcat actgactatg gcttgtgcga ttttggcact taaatacggg 60
aggctcaagt tgtctatcaa agaagatgat ggtgagagta ctaccctcta ttaaccaccc 120
taatcaactt tgtgaaggaa gatgactcag catgaaagtg ataacgagtt ttccgcagga 180
gtcagactag agctaagaag ccgctcgagc taatacatgc tgacgtctat gggcccatca 240
agccatgctc actacgtaaa ataattatct cctccttttc attgatgact cttgaagaca 300
aacatgggtc tattccgtat agcacaagtc agaagtgttt tctgccctta agaagttcag 360
agctacagtg gagaaagaaa atcgcttatt tatccacgcc atgaggattg accg 414

<210> 35238
<211> 545
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35238

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gaaaatgtgc tcgtcgtcgc aacctagana ctnaactgac ggacgcgacg gaaagaatat 120

ggagcaaaac gcctccgctt ctattgtata gaccngtgcg ccagacccgc gaggcacgta 180
aagaaacatg caacattccg cacacacgag gaaacactgg aacattaagt aagacaacga 240
gatgctagac ttacgagcta ctgtaagtgc tagacgtccg cctaccaata ataacacaca 300
cgcaaggcct aagcactcta ctgaagtgga aaacaaccta gcacacatga aggacgaaca 360
aacaagcacg gtacatagag gatgtaatat acaaaatatg agagatgaca tccaagacga 420
gaaaataccc tgaagatgga ggaaggacac ttgccggatc aaacaccaga ccctacgctc 480
accctctga ccacagaacg agcgcgagat acggaatgaa gacaacaatc tatggactca 540
ggccg 545

<210> 35239
<211> 130
<212> DNA
<213> Glycine max

<400> 35239
ataacatatt catgatttgt tggcatgctc accactgttc gtttctttac gaaactcccc 60
ataacaaaa aagcgcaaac gcacccctat aacacccgat ccaaaagtaa gatgggtaag 120
gaagagggag 130

<210> 35240
<211> 416
<212> DNA
<213> Glycine max

<400> 35240
tggcttacat gagtctacac gtacgaggga tcgaggttta tttctttagt cttcagcata 60
gaacacacga acattcttaa ttatagaaat atctttatat gcatcagctc gtttattaga 120
aagacccaac gcttttaaac cactgtcgtc acttttaatt gggtgaggtt attgtttttc 180
taattaggat atatcatact tttacttcaa ttcacaatta ttattttctg tcaacaaaat 240
gcctgattat tgaacaaaacg cttgccaaat aaacaagttc cctgtgttcg atactcagat 300
cattccggtt taatttttaa taccgggagc gcttgctagt atatcacttc ccctttgata 360
tgatgctgaa tgaaacttgt tcacatttaa gggttttaca agggtcataa agaaac 416

<210> 35241

<211> 400
 <212> DNA
 <213> Glycine max

<400> 35241

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 atgcttgaca ttattaaggc tgtatacttg ttcaaaggac acaagaattt tagtctacaa 120
 catgtaacag attaacagtt gccaaaggata aattacctgt actatcaaga caatagctct 180
 ctgatgatgc acacggcagt caaatgatac gctccgcacc ttgctagcaa gtgatgcagc 240
 tccacctgag ttactattta ccattagaac gttgaaagta gaacagatca catagaacca 300
 cgatggaaga aaaatagtat aagtactttt tctcgtacag acgaacatac tcaattatgc 360
 taacgaaatt ctgaccatct gcatacacag ctctgtattc 400

<210> 35242
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35242

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 accanattcc tgatagaggc ccatttaatg cctctaccca accctctaatt gttgtaggaa 120
 aggatattca tctatgaata ttcctattcc ccagctccat agcttttttc ctgtcccgag 180
 actccatatt agcaaagctg tgaatacctt catcttggtc tatatcagcc tgtatgctta 240
 taattttttgc aagggtgcat tgctgtttgg cttcttccat gacttgngaa ttgctttctt 300
 ctatactttt taattcgtca tatgcttcag agactctgtg ttttgggcct ctgtcttgga 360
 actcacttac atgttgctga tcaatacctt catttaacat gnttggctct tctgctacag 420
 gctcgangta cttcctcttt ggtttgata 449

<210> 35243
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 35243

agcttgagat gaggaagtgt ataacgggtga acttctctgt tttattcgtt gaccacagag 60

tggtagctgg agatatgtcg cggcgggtcat gagaccttgt ggacgtcagg aggggtgcca 120
 ttgccccaaa ccaagcttga ccaattccaa cccaactcgg gcatagtcag tcagtgagaa 180
 cctgtgatgt acctaaacag gcgagctgct ggcagtcaac agataatagg aacaaagacc 240
 acagagcaag gaggcttgtg gtggctggcc aactatgaac tcgatcgata tgtgggatat 300
 ggcctctggt aatcgattac caaggggttg taatcgatta caaggcttat gaatgaagac 360
 atgaggctaa cat 373

<210> 35244
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35244

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 gagacatctt gcgaaacaaa gtcagggttag ccatgactcg cctgtgcttt ttcttgcatt 120
 ccatatgtag caaagtcggt gatccctgca agtatgatga gcagtgaat gaggctgcaa 180
 ttatactgtg ccagttggag atgtattttc cccctgcttt ctttgacata atgattcact 240
 tgattgtgca gtggatgtac ccggttgagc gatacatgaa gatcttaaca gggataacag 300
 agaatcaata tcggctagaa gcatctattg ttgagaggta catctgtata agaagccatt 360
 gacttctgtt agaatacatt gagaacgcta tacctgatga cctctctgag tctcgacatt 420
 atga 424

<210> 35245
 <211> 437
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35245

agcttgctat agtcatgcag tgctttgcaa gttccttacc catgttggga aattgaagtg 60
 tgtgatcgac tacctcatan ttgggaatt taagaaagta atttttgacc atttttaacc 120
 tctaaaaagt tatcaaaaac attataatga ttttttcaag caaactgcca caaagattat 180
 tttgaaataa ctaatatata ttgtcacatt attatttaat agagaaatat aatgataggg 240

atcaaaatca aattaaaaaa taaattaaag ataaaaaaca atcccataaa aatttaaaaa 300
 taaaaacata atttatccat aaaataatat atatitttccg tcttgattgc atgtatcttt 360
 taagttaaaa taatcatata ccaatcgata agtgggttggg ggtccataaan atattactat 420
 atgcaatagc taatata 437

<210> 35246
 <211> 433
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35246

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 tctaattttc aggtacaaca actaataatg gtgaacaatc ttccacagtt gttctatagt 120
 caaattatctt ggcagtggaa ggaggaatat atatitttggg ttagttttgg gagctactag 180
 gtgctgatga caactactac aatgttcaaa gatggatgag tgtttgggtg gaggcaatgg 240
 caaagctttt ggtagggatg tgcaaaatct agttgtttta ttattttaaa aattaaactg 300
 aacagaactg aattgtttta aatagttggg ttcttaattc anataagcaa attggtttag 360
 agaataagtc ccanattgat tntgaagaac caattctaaa ttgattttga ttanactagt 420
 ttcgattga ttt 433

<210> 35247
 <211> 508
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35247

gtangaaacc cctttgaaac ttttgacaca ctggtagatc ctctagagac caccgcacg 60
 cagcaagct tcgcatctt gaacagggtc tatccaattc aataatcatc tgctcatcga 120
 aaaccagatc aggtgcctga ttagatctgg aatatgtgta attgctagcg tgcagctgg 180
 cgtaattaat tgtgtgcaat ggtgagcgat tacatgcttg ggtgattgag taaccgacag 240
 tgactgcct ctaagtacat gattcaacat agattccctg gtcgcacca ttgattatgc 300
 aatagaaatt ctgttgacta ctagatatac actatgtaag aagacagaga ctgtctggag 360

[illegible]

<400> 35248

<210>	35249
<211>	441
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      35249
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14681

gagagcagct cttcatctaa t

441

<210> 35250
<211> 296
<212> DNA
<213> Glycine max

<400> 35250

tcgacgatct ggtccgtaac ggacagagga tcatcactct tctattacta tgttatactg 60
agcattatgc tctggctatt gctacttacc tgtatggctg acgaacaaca ccaccttag 120
cacatacctg agaaaaccac acatgatgcc taccgtgctt acaatgacga gcaccacctt 180
tagctctaac caatatctcc taccacaaa tcatttttgc atggagtatg cctgttcaat 240
acagcccatt tccagtgacc tatgctgact tgctcctata tctacttgaa tattca 296

<210> 35251
<211> 430
<212> DNA
<213> Glycine max

<400> 35251

agcttgctga ttacattctc cctctttttt tcaaattctt aattcttctt gacatcatca 60
aaatcttcat gatttacatt ctcccccttt ttgatgatga caaccacctg taggttagga 120
gcaacaacaa agaaaaaata tctatttgca tatagtttac tcccccttgg ttttgcaatg 180
attgcttata tgagacagtt gaagatttca tatttttcat atgtaaacaa attgtctcat 240
aaacaataga taatttttct tactatttta tctccccctt tgtcaacatc aaaaacaaat 300
catgaataga gaggataaag atgttaccac ttgttgcaat gtatgagaat caagtgatac 360
caaaaggcat taaaacaatc attcaatatt aatcaagcaa aaacaagtac aataacacat 420
caatcaaaca 430

<210> 35252
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35252

tgacacatta cctgctnttc acatctatac ttttgtggag gataaagaag aagtaggtgt 60

cctttatttc ctanaatatg ctcacactct ctaaaagctt gttaagctnt tttgcttact 120
 tttacttatg tcatttcctt gtacaaatgc tcaacgtgta gcatgctttt gatcaaaggt 180
 tgtacttaca ctcaaaaaaa cctttctttt cgttaaatta ttgaaattca aatcttagag 240
 catattcaaa aacaatataa gaagagttaa ccttaacatt caagctacat aggaaatggg 300
 tctcaccat tgaatcatcc aaaaataaaa cctataattg tgaaattcac aaatgctgcc 360
 ttatctatta nggacaacga aatgggtccg acccattgaa tcacccagtt taac 414

<210> 35253
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35253

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 taatcgatta cacagtgcaa attttgaatt caaattttta tagttgttgt aaattagttt 120
 tggccactgg taatcgatta catcctctgg taattgatta ccagagagta aatctcttga 180
 aaaagacttt ttagcttaaa tttcttggcc aaaccttttg ctacttcaat tggaattctc 240
 ttctacttta atataccctt tctaagattc tagagactgt cttgattatc catcttgaat 300
 atctttgatt tctttgtctt gaataaagct ttgtgaaaca tgtaatcctt tggcatcatc 360
 aaaacatcag gttgatcctt tgtctacaaa tcttgaactt attctcttgg gctttttgtc 420
 atcatctttg 430

<210> 35254
 <211> 438
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35254

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 gaaacaagtt gttcaataga ctgcaaaacc tttttttttt tgtctttatt aggattgaat 120
 aatgcaccaa gtttattgtt attgctgatg tgcatagatg ttgacagggc tgatatttgg 180
 tcttttggga ttacggcact tgagttggct catggccatg caccattttc aaaatattct 240

ccaatgaagg tattttacatc ccgtgggtgt tcagagacaa tgtctagaca catgttaaca 300
 ttggaccgat tgaagttcat gtgatataat ttgtaataaa agaaaaagag agttcacttt 360
 ttatttcatg tataggttct tctaatagaca atgcagaatg cccctcctgg acttgatgat 420
 cgagataaaa agttctct 438

<210> 35255
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35255

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 ggccattgcc tccctcatcc agtattatga tcagccattg aggtgcttca cctttgggga 120
 cttccaacta tcacccatgg tagaagaatt tgaagagatc ctaggatgtc ctctaggggg 180
 aaggagacca tacctcttct cagggttcta tccctcatta gctagaattt ttaagagtcc 240
 aaatcttggc gcaggaatta gaccacagaa agcaagtaaa aaatgggggtg gttggaatat 300
 cgagaaagta tttggaggca aaagtaagaa tcttggcagg taaaggcgaa tgggccccgt 360
 tcatagacat tctcgactg ttgatcttca gaggagtctt ctttcggaat gtggatcggg 420
 tgggtggactt agcagcgatc gac 443

<210> 35256
 <211> 376
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35256

gaacaaaatc gccttaaactc atttcaaata tgcattgttaa ttatttcgca tcaacaagaa 60
 tcaagccaag gctattgtgc aagcaatcaa tggggcaaaa cacaccatat gattataatg 120
 acggatggct caaattctca caaaggtaaa atcatcactt tcacattgag ctttcanaac 180
 tatcatgaca ttagagaag aatcaatgat ttcaagtcac aaaatgtcaa gaacttttat 240
 tttcaaaaca attaccatt tcttgaacat atcctataat tcaaagaata acatgcaaag 300
 tcgtacgcgc acacaaaatt gaccctaaat attactctga taatccgacg aaactaacia 360

cattaacaaa ttaaca

376

<210> 35257
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35257

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aactcttctt gtatctactt tataatttaa agattgtgct aatcagtatc ttttaagacac 120
tgattaagaa attcagaatg aaagggttta attaaaaatt gacattaatg catatatact 180
atgatttcca acacactttc aacgtgaatt ttttttaaaa atattttaaa ttccttaatt 240
agtgtgctta agattagaat tgaaggggtt ttaaatgaaa aaataaacac ccacttagtg 300
tcaatcatat taatccttat atatcgataa aaaaaaatat attagctcct atataataaa 360
acacttacat gatatatatt cttggaaatg tatttcttta gccatatcag tcttcatttt 420
aagaatcttg ataattacgt tgagtg 446

<210> 35258
<211> 366
<212> DNA
<213> Glycine max

<400> 35258

acgaaccggg aatgggtgta gggaaagaca acggcggcat gactaacctg ataaatgcca 60
aaggaaatcg tgggaagtat ggtctatgct ataaaccac tcacgcggat ataaggagaa 120
gcatcagggg aagaaatagc ggtgagcata gctctgtgga tgaggcaaga aagtgaatga 180
agccccccct gccacatatg tagatgcttt atatgcgcgg gtctggaata cgaaggctcg 240
gtggacgata cataactaaga tgatgttccg agtacattgt atatgagacg accatgccct 300
cctgattcca gctgagaaac agacgagtgg aggaacgcct cggcatttac gcaacgagca 360
taatgt 366

<210> 35259
<211> 362
<212> DNA

<213> Glycine max
 <223> unsure at all n locations
 <400> 35259

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 aaaaccatga gagacaggga aaggccacat gnaacctata ccctattatg cttataatac 120
 gatcttaatt atatcacaat gagactgata tgctagagga ggataaacag agacaaccaa 180
 gatattcaca atattagcaa accagggatt gaggaaggac ttggacatac tctacataat 240
 gtacatatgg ccatgagggt aatcataccg agtggatgat tacatacagg catgcataca 300
 ccagctaaag tggaccgact gaggttatgt gaccactccg atcacagata tcaaataagac 360
 tc 362

<210> 35260
 <211> 442
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35260

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 acgtttcagc ggggtacggg actgtacggc tcccccttct atccatgaag ctgcctcagg 120
 gatagtaagc cttaaatttcc caaaaatatt tatacagaac ctcgattttc tctttatgca 180
 gcatgcattt ctatgggtat gatggcagat agctctcatt ttgcaggctt tcgcatctat 240
 tggagtgtct gataaacctt gatgcgttaa tgcgtggcat tagaaatatg aatgggtgggt 300
 gggctctgcgc ctttgtatct agcatttaca tcttggtatt ttcctttatt ttcctgagcc 360
 aaatattgat ccttgacttt tgcgatgtgc accgagttga gattacactc ctaagacttg 420
 tgtactagca tctttccttc gc 442

<210> 35261
 <211> 282
 <212> DNA
 <213> Glycine max
 <400> 35261

actgtgtaca tttaatctaa tctttcccag actcagctac aattaaacca ctgtacatta 60

atcataatag taacgcttga ggggagagta atgttgcaat atggattctg ctccattcct 120
 ttctttacta tcaaagcttc gcaccgatca tctcttttat aatatatata acaagccttt 180
 cgcgatatca gttattttatc ttctttcaag atatcgctcg attaacaaaa ctttatgaca 240
 cgaacatatc tgccaactaa acaaacgata ctttctaaat aa 282

<210> 35262
 <211> 286
 <212> DNA
 <213> Glycine max

<400> 35262

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 ctacgtcggc ctgatgtcct catcgcaact gaggaacacg aacgaccata gggaaacacc 120
 cttgtcgacc accagcagag aaatactgta caaagggcat aaaggatatg acgacataaa 180
 gtgggaacat aacaaatcaa agccgtgtga tgcacattcg attaaaggat gccgtccctt 240
 gggacggacg tgcggtgtgc taataccttc cccgtgcgca aatata 286

<210> 35263
 <211> 502
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35263

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 caggtcttag gaaccatctg gggtctggnc attgtagacg tctccacaga ggccatcgcc 120
 tgcattcattc aactctacga tcagccgttg aggcgcttca tcttgggcga cttccaacta 180
 tcacccatgg tacatgacta tgtcgagatc ctatgacgtg cttcatgggg attgatatca 240
 taccttgtct cacggatcta tccctcatta gctagaattt tgaacagacc aaatcttggc 300
 gcacgatgta gaccacagat agcaagcatg aaatgctgcg gtgggtatat cgataacgta 360
 ctacgaggca taactttaaa tcttgcccgg caaacgctga ctggaccccc ctcacttaca 420
 tgatcgcaact gtcgatcttc agaagagtcc cttctacgaa tgtgcccgtg ttggtgaact 480
 caccatcgag caatccttat cg 502

<400> 35264

<210> 35265

<223> unsure at all n locations

<400> 35265

<210> 35266

<400> 35266

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actttgcgtt gctgaatttc ttcacatata tattcgcaaa gcatcggtc tttgttgcatt 120
 ttgacaaact tctctacgcc tgacattgca tatgcagttg gtaaattacg aaggtgaact 180
 aataactctg atcattctca ttggattgca ttacaaagag tatttagata cttaaaagga 240
 accatcaatt atggcattca ttatacatgt gatcctgca 279

<210> 35267
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35267

tcttttggac tttgaacagg caactaactc ctctttctta atcatgctat gtgctcgca 60
 ctgggtccctt tctttccttc gcaacttgag ttactattg ctaccccata tatctccgcg 120
 aaatttgatc cgccataact ctcccttgcg agccctcttg gtctctcgta caagggtctt 180
 tgcggtaatt gcattctctt cccgtaacct ggcacactcc ttccgaacgt gtgtaacagc 240
 caactcgaac ttctccttgg cgagttctgc ctttcctaac tcgcttttga gagcttggac 300
 ttgctcgccc tcttacgggg ctgccaaatt cccttcgctg acgactctta tcttggcgag 360
 ccaatctaaa cctcgatatgc taacttgtca ccattcatgg taccacacna tgatgccatt 420
 acgaatgcct ctatactct 439

<210> 35268
 <211> 194
 <212> DNA
 <213> Glycine max
 <400> 35268

ggtgctattg cgcacacca atctcgacca aactccaccc aaccgggca tagtccgaca 60
 gtgagaacct gtgatgtacc tatacaggcc atctcctggc agtcaactta tgaaaggaac 120
 tgagaccaca aagcaaggaa gcttgtggtg gctggccagc tctgaaactt gattgatatg 180
 tgagatatgg gctc 194

<210> 35269
 <211> 410
 <212> DNA
 <213> Glycine max

[illegible]

<210>	35270
<211>	432
<212>	DNA
<213>	Glycine max

agcttagaaa	gacattat	ttt cattcataac	attatgtaaa	ctagagagcc	atccacaata	60
tgcgaaataaa	acatatatga	ataattaaag	gacatagaac	acaataccga	atgtaagtac	120
ataccactag	ccatatatca	ttgaaggaat	taagggttaag	acacataatc	ataaacagcc	180
aagagcaggt	ctatataatc	ataatgttca	ggcatactaa	gcaagtgtta	aaagaaatac	240
tacgtgttca	aatgtcataa	aaacatatgc	aaatacaagg	cttacgaaca	aatataatta	300
taatctaaat	atattatccg	agaatcaaaa	cttaattcta	agtaacaaaa	attagatatg	360
aacacataca	tggttaactta	ttacttatct	cgattaatga	accactagaa	tgtaagtatc	420
gaataacaat	ca					432

<210>	35271
<211>	431
<212>	DNA
<213>	Glycine max

agc ttataaa gataaatgat gacatgattt tttcccaatc acactatggt gaaaagctgt 60
tgaagaagtt taattat ttt gatgtgaaac ctgtttctac tccttatgac tcatccatca 120

agctaaagaa aaatttgggt aaaggaattt cttcacataa atattctcaa attatcggtt 180
 ctttgttgca tttgacaaac ttctctaggg ctgacattgc atatgcagtt ggtagattag 240
 gaaggtgtac taataatcct gatcattctc attggattgc attagaaaga gtttttagat 300
 acttaaaagg aaccatcaat tatggcattc attatacatg ttttcttgca gtaattgagg 360
 ggtttagtga tgcaaattgg atttctgatt ctgatgaaac aaaatcaaca agtgggttatg 420
 tttttacttt a 431

<210> 35272
 <211> 437
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35272

ntaatcacca tccatgtatg aattaaaaaa aatctattaa actcattaaa taaccagcaa 60
 agtatagtgc tttgttggtg aaatgatccg gaagcaaaac ctcaaactcg attggtcagt 120
 atctacttta attgttgatg taagcaagtt cacagtgtga tgagcaacaa atttctcatc 180
 atgtactcca ccatgatgat gagaagacag atcgacttaa aagtccagag ctgagagcta 240
 ttctctgggc cagaatgttg actactagac ccctacacat gataaataac cacaaaaaat 300
 gtttttttat ataaatgttt gccaatat caccctcaat gtatcacttg ataaatgttt 360
 tttataaatg gcatgcactt ccggaacca aaaaatgagt gtgtaaagac aaagctgatt 420
 ccaaactgg ataatat 437

<210> 35273
 <211> 447
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35273

agcttaagct cnttcaactg cacaagcctc ttgttatttg aagagtatcc ttgtggaacc 60
 ttcacccaac gaagacactg acaaaaaactt atcttctcct tcttggacaa agtatggcag 120
 gctgngggca agtaaatgtt cttcccatca gaccttggat gcaactgtga tcgtataccc 180
 atatcagcta gatcttgacg ggtattcaag ccaccccttg tcttgccttg aatgttaagg 240

agcatcccaa tcacactgtc acaaacattt ttctccacat gcataacatc aatacaatgt 300
 ctaacgtcaa gatcacacca gtacgaaaga tcaaagaaaa tggacctctt cttccatattg 360
 caactctgac tnttatcctt cttttgggtc ttcccaaata cagtattcag gtgttgaacc 420
 cattgatata cctgctcacc agtcaac 447

<210> 35274
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 35274

atgaccctgc aatatgtctt gcacccatgc atggcctggt tgttggctgg gtatgcacaa 60
 ctctttacat aaattttttt attgcatatt caccataaa cacagccaca tatgatgctt 120
 gcttcataag ttcattcattt tcattgggtat tcgattcaaa attttcaacc aagtcattca 180
 tttttgacct gtatagaaac aatattacaa aatacaacat atatcaagat acacatgata 240
 aaacataagt tcattaccaa ccataatatg gctcgggtaca agccaaataa gaaacataac 300
 caaatttgat aacaaaacat aatatgagtt caatagaaca tgactcatac caccataaagc 360
 aaacatctaa gcactagtac ataatagtaa gccaatgca 399

<210> 35275
 <211> 449
 <212> DNA
 <213> Glycine max

<400> 35275

agctgttcaa atgggtaaaa ggctcacatt ctctttcttc tacatcatat tcaaacttgt 60
 ccaaataaat aataaagtca tctagacaca agaagggtca tctaagtttc atacaattaa 120
 tatagaacct atatcctaatt gccacatcct atcagagcgt ggtgtccccg tgtcctctag 180
 catgagggttc ttcatagtca tccacctatt catctgctcc ccgaacaca aagttcaaga 240
 tcatcacagg attcaaacac aaacaacaaa ccgagagtga gttatcacat ttctaactac 300
 tagagagaaa caacacaaca tatagtagcc aaatacaatt tacttagcat atctcacatt 360
 atttcacac tctgtcattc atcaatcaca ctgtcatcc atcaatcaca cttttcaatc 420
 atcaatcaca atacacagga atcacacac 449

<210> 35276
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35276

ntgggttaagt catatgtcta ataattgaag acttttagcgt tctctttgaa tttaaaataa 60
 actatgataa aagtgactag caagggtgaag atgacacatg cggttatagtt ntattttaaag 120
 catattttcta gacaacattg aacttcaact aactaaggggt tgaagttcta gtggccttcat 180
 tctacaacgt ttcacttagc ttttctagcg aacacacctt tataggttagc tctttccaag 240
 acaattgcaa gctaacggta attgaaatta agacaatatt ctaacaaaaa taattcttaa 300
 aagntaaaca ctattctcgn tcaaaaataa ctttttaaaa tactattatc tagtaataga 360
 ttgtaaacac attgttattt aagacgagga ttcaatgtta tgatataaga gagatagagt 420
 ttccatata tacttttgac tttt 444

<210> 35277
 <211> 444
 <212> DNA
 <213> Glycine max

<400> 35277

agctcggtgc attgagaagg atctctgtcg agttggaagg acttcacttt tttagtgggt 60
 ctcaactctcg actttgcttt tatcaaactg agttcagttt ctcccaagtt actattgagg 120
 gaggcgcacg ctaccgattg tactttgggc tttgctacce ttttcccttt agcaatcttg 180
 aggcttacaa tataacattc cattccactc atttgatcaa ctctgatagt gataattttc 240
 ccacctcac ttgggaactt catcgctaga tgcggagttg aaatgatggc ccctaactcg 300
 ttatgtgaag gacatcttat caatatattg gaaaaagtca aggcgtcgac taaaaagtac 360
 ttgatcatga tggcctctga cccctcttca tctttgaaag tagtttagcaa gtgcacatat 420
 cctattgtgc tcattgtctc tact 444

<210> 35278
 <211> 444
 <212> DNA
 <213> Glycine max

<400> 35278

tatgacctgt acgatacaca agttccctaa gctctgagtt cttatgagtg aaagaggttt 60
atgtatgttt gaccaaatta tcacacaaaa ttagatgact cgtgatgtta gtatctgtcg 120
taagttgtat tgtttagaga cattgtatctt tctaatagata tggagatatt ttaaataagtt 180
ttgacacgtg ccacaatgta catgattgtc ttgtctttga catatgtcgc aaccctagat 240
aacattgcat acatcgaggg tggctcttta ctacagaaat gtcttttggg ggtgctgcct 300
tgattggtgc cccctatgga tgatgactat tgaagcagct cttggagaat gaaagacacc 360
attaatgatg aatttcttct acatacgtac ttagatgtga agagttgtat tgatgagatg 420
ttactgttgg ctaggggaaa tgaa 444

<210> 35279

<211> 397

<212> DNA

<213> Glycine max

<400> 35279

agcttaacaa gtggaatcag aggaaagtct ctatggcagg ctttaattact ttaattaatt 60
ctgttctgac agccttgctt ttattttatc tgtctttctt caaagctcct tcagcagcgt 120
tagtgaggct gacttcaatc caaaggaatt ttttgtgggg aggaggtgct gaagggaaaa 180
agatcgcttg gatggcttgc gatcatatat gtactcctag aaatcaagga ggtttgggta 240
tcaaagctat caaggatctt aatagagccc ttcttattaa atggaagtgg ctgatgtttc 300
accaatcaga ccaattgtgg tgcagaatcc tcatttcaca atacacacga tggagagggc 360
tggaagagaa ttcccacagg cagtctcatt ccttctg 397

<210> 35280

<211> 591

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35280

cgcgactct caacnacacc acacacgccg tcaagtacga actaatagac tatgcgacac 60
aacaataaac tatacacagg aaaaaaagga gggntcctgt agacctcgct anaacgncac 120

actatataat acacacgctt cagcagcagc attcagcacc tacgagcaga tgctttcacg 180
 gtctttacta cgagcacacg cgcatagaga cgtgaccta ccttcgaccc aaatgaacca 240
 caactacact acctcacaaa gcctccgacc tgacgaacga actaactcac taacacggac 300
 catggatcaa agcagaacat gccacgcacc gcgtcctcag tacaataaaa caaggagacc 360
 acaaccatcg gacgacaaca caaaaccaac aatcggacaa tcaaaaacac cgggctaaga 420
 ccctgacaac gcggaacgac aagcgccaca ataagccttg caataaaaaa gacatacagc 480
 gccgcacacg gaagaccaat acatgcagca atgaaaaggc gaaaagaacc gaacgatgac 540
 gccactccca accttaccca tctctataac ggcgacgtg cgactcacac c 591

<210> 35281
 <211> 348
 <212> DNA
 <213> Glycine max

<400> 35281

agcttgctct aaatatttgt catgggtcac aatatgtact tatgaccgct gaactccttt 60
 gtagatgata aagcacgaca cgaagggtcc attgtaaaag gataccttat gcaaaaaatc 120
 ttgacatatt gtttaacata tctagatgaa aatgaaacta catggaatcg acctgctcat 180
 gtagatgatg aaccaattaa tggctctaaa catggctaac aagtagttga cttatttcct 240
 ctagttggaa aaccaattga cgactcttca tattacaccc tcacacccaa agaaaagtta 300
 caagctcata gacatgtgtt aacaaatcgt cctttactcg attcctat 348

<210> 35282
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35282

tgtataactc ttaaagataa agagtccaag ttgtgtcttg atatttatac tagtggttaag 60
 gaaagagcta ttctttctcaa gaactttcaa gaggttgaaa atagacttaa agatcttcaa 120
 aaggatcagt aggagctgaa tgaacttcat gactatcaaa aagaagaaag atatgatcta 180
 tggtgagaat gcacacaagc acacaaagat tatgaaaacc tcaaaataag taaaataatc 240
 tttagggtgga atgtgaagaa cacaagagat ctgtgaaatt cttgaatgat aaacttttga 300

agaatcaaca atttgaaggt caacctcaag atgttgtcaa acttcatgag gaaattagaa 360
 ccttanaaac tacattagcc aaacttttta atggaaccga taatcttaac aaactgttag 420
 gaaactgtag aagttcctca gaccaatttg gaaat 455

<210> 35283
 <211> 285
 <212> DNA
 <213> Glycine max

<400> 35283

gcgccatga cagtggcaag ccctgaacga atgattcttg cctatgttgt ggcgggctag 60
 tcgcacagaa ctacctcgtg tcaactatac tcagagatgc aatctgacac cttatgacac 120
 atatcaggta tatattgtca tgactttcaa gacatactta ctgtggcctc gagagattca 180
 ggactgacca ttgcccatag tatgaacaca tctgcctac tgcattacgt ccatacgaag 240
 gctccagtca cgagttctct gctaccattg caccacgaca cagtg 285

<210> 35284
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35284

agctntctga agtnttctag ttttccaaac cttgaaaact tgtgctattc atcttttcat 60
 tctcttctcc cttagccaaa aagaattcgc caaggactaa ccacctgaat tctttctgcg 120
 tctctcttct cgctttttcca aaagatcaaa gaactaacca cctaaattct tttgcgtctg 180
 ctttctccct tatcaatgaa ttcaaaaacga cacagactga gaattctttt gattcttccc 240
 tttccctaata acaaaagtgt acaaagaact aaccgcctga gaattctttt gtatgcacat 300
 ttacaaagta tgagagggtt aaccggctga gatctttgtc ttaacacatt ggagggtaca 360
 tcctttgtgg tacaagtaga gggtacatct actagcgttt gactgacaac atgagagggt 420
 acatctcttg tggatca 437

<210> 35285
 <211> 445
 <212> DNA

<213> Glycine max

<400> 35285

tgcagaattg gtcttcgcca gtgaaaggat cgatgtgtgt tctgattaaa acgcaaattt 60
gatcactcta ctaggacgac tgagaaaact ggggcaaata aagaggggtga ggataatgga 120
gaaacccatg ctgtgactgc cattcctgta cgaccaagtt tcccaccaac ccaacaatat 180
ctttactcag ccaataacaa accttctcct taccacccgc ccaggatatcc acataggcca 240
tccttaaata taccacaaag tctgtctacc gcaattccaa tgacgaacac caccttttagc 300
acaaacaaaa aacaccaacc aagaaatgaa ttttgcagcg agaaagcctg tagaattcac 360
cccaattcca gtgtcctatg ctgacttgct cccatatcta cttgataatt caatggtagc 420
cataacccta gccaaagggtc atcaa 445

<210> 35286

<211> 347

<212> DNA

<213> Glycine max

<400> 35286

agcgtttaca gctgtacaaa attattatat cttcacatat ctcaaggcac aacgattaca 60
atgagattaa cagatacatc cctatatgtc taacaaatta ctggtgaagt aacaagttgc 120
tgagacgatgc tgtgtctttg cactgtacgc ggattatagc tatggagaaa gatttttcta 180
tgccctataa ccagctgcct accaacataa tacatggtat ctgtaattat gacacaaaaa 240
cctgtgggag aagctgttgt acttgccgat gcgaatcgcg gatcgagcag tctgttacac 300
agactgactt cttatatata gtagcacatt catacctata gtgtatc 347

<210> 35287

<211> 420

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35287

ttgattgtcc atatgcaagc caattgtggt agctacactc atttgaaaca aacttcatga 60
attatacaaa acacttatcc tttgcataga tactacatga atcacgtttg catgcttgat 120
tctaaatgca acaaggattt ataaaactgc aaaacctata ttttagctag gttcatcaca 180

tttatcagca tgtttttttt agattttaat ctgacacatt ctattagtga tgggcaacac 240
 aaatccatac atagtcatgt gacacgtaat gccaaatctg gacaagataa ataattttca 300
 caagttaata ttaacgataa tatttatctt atncatgggc aagcaaata tagagctgaa 360
 ttgctaatag taagacaaat gaagtctgta tcatacatag gcttcaatgg ataaattcct 420

<210> 35288
 <211> 233
 <212> DNA
 <213> Glycine max

<400> 35288

atggcgctact catcacatgt ggcactatgt ggcagacggg cgatggcgca caacatgatt 60
 gttcacatac acgaacagcg cataatccca acattccctg ttgccacct ctcaactgag 120
 ctgatgtact actacggaga ccatatccta cgatctctca acaccgggac cctatcaatc 180
 atttcaagct tctcatcat gcaaagcaa catcattcaa acagaacata cta 233

<210> 35289
 <211> 440
 <212> DNA
 <213> Glycine max

<400> 35289

gtaatatgcc ctcttccac ggcggagatt tcttctctg ttattgagag atagctgttg 60
 gcagtgatat tattgaccaa ccctatgaaa ccttctaccg agatgtcttg ggccacgttg 120
 gcctcggttca aaacttttat taccagagcc cgatgaggct cggagctcat gagtaactcc 180
 aacagcgaga cctggccga ggttttgttg agctgctga taacctgaa ttggctctgc 240
 tgaattatac ggaggaattc gctggcttcc tctagcgaca cctcctttat accatccttt 300
 ttctccggaa gacatttcgc cggaatatct ttattcgaag cgaggggtat ttcacatct 360
 tgttctcca ccattttgct atccacttga cgttcgcggg ttggactggt aggtccggag 420
 gtgcaaacac acgagcgcta 440

<210> 35290
 <211> 419
 <212> DNA
 <213> Glycine max

<400> 35290

acattttctg cttatattga ttatcacaga gtggtacctg gagatatcga gccggctgtt 60
atgaaacctt gcggacttcc agtgttgtgc tattgcaaaa aaccatcttg acaattcgac 120
cacccgggca ttatggactt gacaacctgt gatgtaccta agcatgctat ctactggcag 180
tcaacagatt aatagaactt agaccacacg gcatggatgc ttgagtgggc tggccatctg 240
tgaacttaga tagacatgtg ggttatggcc tgtggtaatc tattaccatc gcgggcgat 300
cgacaacaag gctcagacag gagtaccgga cgctaataat ggctctggta attgatacca 360
accggtgtaa accactgctc ggctgaaca ctagtcacct atctaggga cgctctgct 419

<210> 35291

<211> 584

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35291

cctcctaccc tantcccaen cacgacacgc cctcnagact cgatataaag tacaaagcac 60
aancctacac gacaaaaacc gaaagaaatt gttgactgca atcnctcgnc gnngcgcgat 120
anaatacaca agcttcgccc gtgtcgcgct cacgaccacg ggcaaaccgt acttctttta 180
ttattcacc ccaagagtgcg ctccggatgc gcgttacaca agatacatga tcaggactgc 240
tgctctgacg agtcataac caaccacata tcaacgcacc gttgccatag ccaaacacgg 300
gtcaccacta ggcccgttgc ggagcaacgc tattgaaact acacctgca ctacatgcc 360
atcaacacta cactctctaa ttcttacgag gactcgctgc acgaaatatt atgcgataac 420
aggactatac acattgctca gaaggcctag cccctctcat gcttaaagga ataaactgaa 480
gaatatacgc ttacgaaccg cgtagagact atcattcaac tgaggatttt cctcagccca 540
ccacaatgat caggtctgga ctatcctaca tataaccgc tccc 584

<210> 35292

<211> 432

<212> DNA

<213> Glycine max

<400> 35292

005107:90T1E10

tgtgaccgag tccatttttt tttattaaaa acatgtttgt tcgaatattt gaaaggaaaa 300
aaacttttaa agaagtcaca tgccttatta ttttaagaga ttactttgtg tagcctttat 360
gattattttg agaaataaaa gttgaaatta atattaattt ctaagtaatt ctcgttataa 420
tt 422

<210> 35295
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35295

cgcttgagct ggtatctgng ttaaaaaana attcgcatth ttctttgttg gagcaattgg 60
gaagaatgag cagtggcaga tggaggcagc tagatactg aactgtggag ttctgtcctt 120
tccttttgca tacttgggta tccccattgg ggataatcca agatgtagtg atctttggga 180
tcctatagtc agaaaattcg agagaaaatt agcttcttgg aaacaccaac atatttcatt 240
tggggggaga gtgacactca taaatgcagc cctagcagca atccctatct actttttttc 300
ctttattagg gtaccttcaa gagtaatatc cagattggaa gcaattcaga ggcaatctct 360
atggngagga ggtatggatc agagaaagat tgcttgggtt aattggaaaa cagtctacaa 420
tccaaaggat atatgaggac ttggc 445

<210> 35296
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35296

agcttgcttc tacagannag aaatctcaag gatcgaggt cgcttgggga ctggatgtag 60
gcacgggttg ttgccgaacc aatataaaac tcttgtgttt gttttcttct tccatacact 120
ctttaatttc cgctgtgcat ttttaattatc gctattactt ttgggttaagt tttgtttttc 180
tattctttat tttctcaact ttgtagtaaa agcctaattg aatttagtaa cattaagaag 240
gatagatttt taattagtaa aggtctatta ataattaatt caacctcccc cccccctcc 300
ttcttaatta ttctgaggcc acttggttga acaagtggta tcagagcagg tatctttag 360

<211> 302
 <212> DNA
 <213> Glycine max

<400> 35299

tatgttaatc aattagactt tatccgtatc cttgtggatg tataccttga atactgccat 60
 gtagttgttg aacatgggtt ctagtaatgt aattccaaag acacctcttg agctgtagac 120
 aaataggata cctactataa tgcacctgca tgtatggggt tgccaggcag atataacgat 180
 ttataatccg caagaaagaa aattggatgc aagaacaatc agtggatatt tcattggtta 240
 tccagaaaag ttaaaagggt gtatgttcta ttgtactact catagatgag aactgacaaa 300
 ct 302

<210> 35300
 <211> 443
 <212> DNA
 <213> Glycine max

<400> 35300

agctctcaac cgttcttcga cgttcttcat tctttcttca tcgttcttct atcttcaacg 60
 ggtaagtacc tcgaaccaag cttttcgatt cattctatgt acccgtagtg gtccacattg 120
 tgtttcgtgc atttttattc tcgttttggt tactttttat accccctggt gacgtgctta 180
 agccatttta cttaagtcatt ttctcgctta acttaaaaat aaaataaatt tccaccgaac 240
 gtttgaattg tattatccat taacttcggt taaaataaat tccgaccgtt cggtcgtgcc 300
 gtaaccacgt tggaatcaa aaagaggtaa aaaataatat aataatcaaa aagacatctt 360
 ttagtaaaat aaagcggaaa atcaatcgga cgttttctct ttgggatttc tcattcttaa 420
 tcgaatcgat taataactaa agt 443

<210> 35301
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35301

tctctctcta actctcactc tcacttagag aagggtgggaa ctctattagg cacgcatgct 60
 ttgcattggt gaaaacggat aacaaaggat tacttctttg tgtattaccc atgtaaaaaa 120

gtcaactttt tgatgataca ttcattccaaa atttcattga caatttcctc caactacgtc 180
 agcaacaaac ataggaaatt ttttgttgac aaatccgtcc acagatgcc a cgcagaacat 240
 tccatttgct ttgacagaga tatttaaatgt ttggactaaa ttgtcgcact ttccttaaat 300
 ccaaggacaa tttttttttt tatcttttca gtactaaagt gtttaactcat tacaaattca 360
 gggattgaag tgactaattt atacttaatt ntgtaggctg tatacttttt acttataatg 420
 gttcaaatcc tctaatactc aatgtttaac aa 452

<210> 35302
 <211> 434
 <212> DNA
 <213> Glycine max

<400> 35302
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 tccaggtact ggatcacata ggcccagtgg cttacaagct tcagctgcc a ctttcttccc 180
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 caactgccac attgccatct acagggaaca accaccaact cttgggtctct cttttatcca 300
 ttctggattg gaagtgggac cattcatctt cccacactaa caagaaagtc cttgtttagt 360
 gggatggctt agcatcgaag gatacttcat gggaactatg ggacaagctg cgtgttgctt 420
 atgaccttga ggac 434

<210> 35303
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35303

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 aagtcattat gcgactgcaa ctcttatag agatcttcaa gaaacacaaa atgaggcatt 180
 gagaggatga aacatgaggt actaggtaat tctgaacatc gcgataacgc gtctgcaacc 240

atattagttt tgcctattcg atattgtata gagtaatcaa atcccaacaa tegtgcacaa 300
 tatcagtgtt gttccagcgt ttgaatggcc tggctcatca attctttcaa gcttctatga 360
 tcagtcagga ttataaagtg gtgccccata aggtattgcc tccatttctt aacagcagtg 420
 gtaatcgtag tgagttcacg aacataagtg g 451

<210> 35304
 <211> 450
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35304

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 ttgattccaa taaagcatcc atgtactctt taagtttcaa ttttgtaatt gcaccttcca 180
 ttctgctttc tggaaacttc tgcccgttct tgaagagtat taatgtcggg agtccataaa 240
 ctttatactc ttaaattact tgcgggttga catcatgata aatctttaca accgttaatc 300
 tgtcttcata ttctgcaag ttattattat aaaaaataat catgggtccag gggagacaaa 360
 ttaagatcct aaagatcact tgacaatagt tcttaggaaa atcatactat ttgtttcaca 420
 ccatgctatc cccaccatat atagcctata 450

<210> 35305
 <211> 282
 <212> DNA
 <213> Glycine max
 <400> 35305

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 aacatagacc actgactctt gcaacatggg cagatgcaca tcttttagatt catggcgagc 120
 atgagttact atggtgacca ctgcatcaag agttccctca agctatttat tatccgatca 180
 tgaagatgaa acgagggcca cctgatggac tctcgatag aaaagagcat catttcttgc 240
 actgaagtgt agggagttgg aagccatcct ctcaatcaaa tt 282

<210> 35306
 <211> 408

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35306

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 gataatttgt acatctattc aagcttactt acttcacaat gtctttgaac atgctgtgtt 120
 tttttttacca tatacccgac tcgaaatata ctgctaaatg tatgtcttta tgaaaattag 180
 tccatgcat aattagaagg attaagccat ctatagctta agtgccacgt tctaatagcca 240
 aagtattatt tggagacaat atttgtattc atatgaactt gttacccttc ttaggtcctt 300
 ctctccttga atgccattgt catggccacc ttggctgact ctgtacacta tggctgactt 360
 atatatatca tcaaaccact taaggcacia gcacatgttt tatctcac 408

<210> 35307
 <211> 494
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35307

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 tgcagccttg cagccagagc ctcttgaata tgtatcacgt ttgtcaaata agccttacgt 120
 ttcacagcta ggacgtctct gcgattagat cgacacaaaa agagactcca tactctcgct 180
 cgagaaatta ttccatttgc gagagggtcat ttcattggact aagctccgag cgtgatttga 240
 tgcattgctt ttacctgttg gtcgcgattt ttattaacac ggaggagaaa gtatgaacaa 300
 cactgatcta ttaatttcaa gattatcaca ttgaacatat acaccctgtc atcggagttt 360
 ccatactgca taaaagagat gacatcgcgc gttctaaacc actacagaat gattcacacc 420
 ctctcgtgca cccgatctcc caaggtagca actttgagat gtgctgagga gacgccttta 480
 gaaagtgtcc ccta 494

<210> 35308
 <211> 365
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations

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catgcgagtg aaaagttatg accatgtgaa tttctcgaga gcttacgtag ttaaatttct 180
agcggcatga tacactatgc gcggtgaatct gacatgcgag tgaaaagtta agagcatttt 240
aatttctaga gagactgcga tgggtgaaagt cgagcgacat gatgtgtcat gtgcctgaat 300
cggacatgcg cataatacgt tatgaccata tgaatctctc cggagcatct gtcgtgcaat 360
tacta 365

<210> 35309
<211> 336
<212> DNA
<213> Glycine max

<400> 35309
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gctaagaaag cctccatcag ggcgagcact atactccttg acctgcagct catgccatat 180
tcacaaagac atcttcacat tcaacaggta aagctcattg gtgaccgagg tgcgctggaa 240
gagactcaaa ccgtacctca accaaacaac tgtaaccgg caactatcag ggagaagctt 300
cgggtgcttg tcaagctacg ttgcgcctga cacata 336

<210> 35310
<211> 424
<212> DNA
<213> Glycine max

<400> 35310
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ccttggaata gcggtgaagat aggaattcct taatctgctt cctgccatta gaaacctaaa 120
attcattgta tgctaatact atgtgtttta tattactgac ttcgccaaaa tcttcagggtg 180
gcaatatcag tcttcaagat cttgcttcat gtctctaggc caaacacact ggttttgggg 240
aatataccag ggacgccaat attccacaac ctataccaat atagagaagc tttgaggatc 300

665TGT-30T460

ccttcattta tcattttggc tggtgagtct cccatctact ttgctaattc aacgtaccta 360
caagaaaggt tagataaagc gacttgtaga ttggcgattt gtgaatgctt actacatttc 420
aaat 424

<210> 35311
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35311

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gaatgtatgt atacatgatt ctgatgacgt caaaagaaga atcaaacaag gctcattttg 120
cttcaagatt aatacaagat tgtttcaata aacaaagcct tgattcaaga tttcttcaag 180
atcaagcctt gcctcaaaat gaaaagattt caagtcaccc aaggcacatg taatcgatta 240
ccaaggcaca tgaaagtgtg caatcgacta cacatcatat gtaaggcgcc atacctatac 300
tggagtgatc gattatacag gagtgatcga ttacacatta ggtcctaagg caatgctctc 360
actacaatct acccaacata gaggtgtcct acatcttcta ccatacaatg cctcgtaagg 420
cgccatacct atactggag 439

<210> 35312
<211> 449
<212> DNA
<213> Glycine max

<400> 35312

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agggcctttc tcttctaatt taggaccaat ccaaaaaaca ttttaacaca tagactctat 120
ctatgaacta tacaaaatac acaaactcttc tattgttctc aaaataattt taactcatcg 180
tgctcaaag tgatcaactt tggtgggtta ccatagtgga tcccatcaca atactcgttg 240
cacattaact cgtcgccctt aaaggggtctt acaatccatt gattgtatga ttcatagctc 300
acaactcaat gcacacaaca tctcaataca catgtgatct cacaatttaa cacatagtca 360
acttgctact tacacacaat tcatcacact ttcataatcc taatacatca tgttatcaag 420
cctcatgcat catatacata tcacacatt 449

<400> 35313

<210>	35314
<211>	427
<212>	DNA
<213>	Glycine max

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ctttcggtcca	gttaaactga	tagctttaaa	acactttggt	catttttggtc	tcagattatt	120
ctcttgtaat	tcgaaaatct	taacacaaac	atcttcaagc	tttatataga	ctttagagct	180
ttgatccggt	gagagatatc	aagtagccat	tgtctaatag	cttgagcatt	ttacataagg	240
ccattactat	acagagaaag	tgtgggaacc	acaaacactt	tttgtagcat	atatttagag	300
aagtacaacc	tgctagtgtc	atcttgtgct	cagagctgac	tttcagtgca	caaatcaaat	360
gtaatgttaa	caacatatga	caaanataat	taagaatgtc	aagacangat	cattaaatct	420
tcctttt						427

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<223>      unsure at all n locations
<400>      35315
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[illegible]

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 tttacctgtt gttgcagatt tttataaaca tggaagagta agtatgaaat agactgtcct 240
 attattttca agttaattac ttcttacata tataccatgt caatgtactt ccactactgc 300
 aaaaatgaaa tacaacgacg gttcttaagc acattcaaag atgattcana accatctttg 360
 aagccaacat cgtcgaaagt caagactttn gaagatgggt cctaacaaac ctccttagaa 420
 aaatgtatca tt 432

<210> 35316
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35316

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 attcaatacc taattcacac agtaaactcc actcactctc tacatattan atattctcaa 180
 tgtataacag atattntttg tgacactgga ttccattccc acgtcttatt ggtagtatta 240
 tagaagatgt gcagtaatac gggtagtctc ttgacatgtg tataccgtgt acagctccca 300
 taaaataaag agtaccacat aatcatatga tcaatttcac tgattctctc atgcttctat 360
 tntatctttt ggtgaaatat tcctttgctt tnttcgaatt ntacactccg agagaaatat 420
 aaatcctgat aggctag 437

<210> 35317
 <211> 439
 <212> DNA
 <213> Glycine max

<400> 35317

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 aaagctaata ccgctgacaa ccttgtgaaa gctgtgcacc caggatacaa aggcactctt 120
 gaatcatttt ctattttctc atacaaaggt acatgtgctt gttgaaatct gtccctgcccc 180

aaattgcaaa tcátgtcttc tatacgggat cccatgtcta catcgactga ctcaggggtga 240
gagactgatg gcttggttgg caattcccca tgccatatcc attttgtgta atttggaatg 300
atcctatgac atatattgac tgggtgtctcc tattcccaca ttttacgcat ggacagaaaa 360
atttaccocg cacacatggg gcattgagtt tagtaaattg gaggaattgg tcaactctat 420
tctcatactc gtcactgat 439

<210> 35318
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35318

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ttgttgatgg cttcttcccg atccaagctt caattggagt cttgtctttt acagacttag 120
ttggacatct gttgagtatg taaacagcag tgtagactgc ttcagcccag aatgtgttag 180
gtagtccctt ctccctgagc atcgatctag ccatctccat aactgtgcga ttctttctct 240
cggacactcc attttgttga gaagaatatg cgactgtaag ttgtcgctca atgccttcat 300
cctcacaaaa tctttcaaac tcgcgagagg tgtactcttt gctgcgataa cttcttagta 360
cttttatccg ttttccactt tgattntcag caagggcctt gaactttttg aataactcaa 420
agacttctga ttnttcttt 439

<210> 35319
<211> 442
<212> DNA
<213> Glycine max

<400> 35319

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ggcgattttc caccatgcag aaggcatcat cctctaggaa ataaggcatg gaagaaggag 120
cttcaccatc aagagagtgt cttggataag aagctcatag aggaagcttc aatggaggaa 180
aagaaagaga gagagggagg gagcacgaaa ttgaaggagg aaaagagaga gagaagttga 240
actttgaagt atgtctcaca agactctcat tcatcaaagt ttaaggtagt caatacatag 300
caatttaagt tgcattggacc atttaagttg gctcaciaat cccacacatt tgaaggacct 360

<211> 417
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35322

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 ngagaatttt ccagtcattgt tatcaattca acattgaata ctgaacgcaa gggaacgact 120
 acccataacg gtcagaatgg tcgacgcata tcaaagccca gagggaaagg tcatagaaaa 180
 tttcacagtg acgttacttg ctggaattgt gacaagaaag gtctctttat caatccgtgc 240
 atggcaccat agatgaacaa gtcgcacaat aacaagaagc acgatgatga tgaatccgca 300
 tatgcatcaa ctgatgaact tgatgatgca ttatttgcag ttggatagtc ctgttgatca 360
 tggacatgga ctaggtgtgt cgtttacact actcctctaa agattattgc taactat 417

<210> 35323
 <211> 433
 <212> DNA
 <213> Glycine max

 <400> 35323

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 gttttactaa agtgaaacaa aatctaacgc gaatcagaac tccgacatct atcatgggtg 180
 gaatggatga atgctggaag aaatgcgtat gatatagatg caatttatga acacgggagc 240
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 acccgtgcat gatgcatatg cgaaaggcac aacactggaa tgtacatatt atgacaatat 420
 tcacaaaata taa 433

<210> 35324
 <211> 453
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35324

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tctccccctt tttgatgatg acaatcctga aatcaagaca agctatatac aagatgatag 120
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tttaatgatt ttaattgatt tctaaccctaa gttctctccc cctttggcaa catcaaaaag 240
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cattgtcata accaaccctaa gcaaagtcca gaaatataat aatagtgcga gattacgata 360
actagagcaa caaatagcca aataaacggc gataaaccaa aagtactaat aatacttaat 420
cactaataat acttagtcac aatacttaag cta 453

<210> 35325
<211> 442
<212> DNA
<213> Glycine max

<400> 35325
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tgtttttaaa atacttttaa ttaaataatt gaatttttat tcctttatta atatatatgt 180
gaggggtaga ggatgtcaca caaggcatat ttaatgtgag ccttttttta ctttattgtc 240
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gatccctcta gtttaattaa ttagtgctaa taacttatac gtgtaacgac tacagctaga 420
acctagaagt tgcatgcctt tt 442

<210> 35326
<211> 522
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35326

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ctcctgncgc accaaaaaaa ccagccgcag gcacgggacc cagacaaggg ngcgaccctt 120
cgtcgcgcca cgatgacaat cggcaaaagg cgacaccgag acagccagaa cacctcaagc 180

cccgacggc caccagcgcc agaaccgacg tgccccaca cagcccacac gcatcaacct 240
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<210> 35327
 <211> 393
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35327

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 cagatgaagg tcgacatgtc ggcttttaaaa gatcaatggc ttctatgacg gagggcatgc 300
 taaaaattca aaaatcaata gaagacaatg ctacggcggc cgcttncaac acaactaggg 360
 aagcggaatc ggtgctacaa cccgcaatga act 393

<210> 35328
 <211> 438
 <212> DNA
 <213> Glycine max
 <400> 35328

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 caatctcaaa tcaatgttcc ttgtttataa ttaattagag gttactatta ggcacgttgt 180
 ggtgtaactc tattaataat acacatgcat ttcacattct atcaataata cattttctaa 240
 ttctctgagt tcctctcttc cgttattatt atgttctatc atgtttctca acattttctca 300

aaagtcttag cacctataat aattaaagga ataaatttaa gaatataatg cttatgaaca 360
 gcgtatagac ttttattcaa ctgaatattt ccttcatcca aaaacaatta ttatttttgt 420
 acttttcttt taagtaat 438

<210> 35329
 <211> 429
 <212> DNA
 <213> Glycine max
 <400> 35329

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 aataacatcg cagatggcac atcaacttca gagtgaagaa gtaacctgtg taaccaaaaca 180
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 gaagtggatc ttctagtatc aacacaattg gcccaatcag catccggaca ggcaactgagg 360
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 ataagatga 429

<210> 35330
 <211> 405
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35330

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 tatgcaaatt aatcttacta aatagaaaca ataagcaata tacaataaaa gagtttaagg 240
 gaagatagat tgcacactct gatttatact ggtccggcca cacccttgtg cctacgtaca 300
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 accacacaag gacaaccctt cctttgtgtt aaaattcttt acaac 405

<210> 35331
 <211> 187
 <212> DNA
 <213> Glycine max

<400> 35331

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 ccctttcctt ggtttgaagc tcactacaag ccttaagtga aaaaccatga tatcaccata 120
 tccttaagga attttggagc tttggaattg ttttggaat aagtgtgtgt gtgtgtgggg 180
 gggggggg 187

<210> 35332
 <211> 494
 <212> DNA
 <213> Glycine max

<400> 35332

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 accactcgca tgtactacag gacgaggttg atcatcactg ctatccaaga ccatatactt 180
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 cgggaacccg gtatatcagt tgatttgata gacaacattg gttactcaca tagacggact 360
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 gctcgcggaac atcc 494

<210> 35333
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35333

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aactgagctc acgtactccc acgtagccca tatcctcggt tctctcaaca ccgggtcccc 180
atcaatcctc ccaagcttcc ccaacatcca agtaattcaa cattcaaaca gcacaaacta 240
tcacagccaa gaaaacaggg caaaggcaga aaactctgcc caaaacacca accaaaatca 300
cagcttttcc cacttaaaga cccagtaac atttccttcg ttccaattcg ttaaccgttg 360
gatcgactca naaattntac tggaagtctc tagtacataa gcctacattn tgaccgttgg 420
gatttgctag caaatatcca gaaatcattc t 451

<210> 35334
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35334

agcttagtgt aacattaagc ttcaacttac ttgagnagtc aggcttagcg caacagggtgc 60
actaagcgca cttccaagaa ttcanaaccc gtaaaagatt ggcgcttagc gcttctgac 120
ccgctaagcc cagcttaaaa actcaagtta caaaatggat caagggctta gggcagcata 180
gcacgcttag cgctgctaca ataaaaat tcccgagaag aagtgggtgct tagcgcatca 240
tccacgctaa gccactggt taaagttcaa ttaccgcaaa gatgtggggc ttagcacagt 300
gttgtgcgct tagctaaact attcaaccaa ccaatcaggg gtctatgcgc ttagcgcgag 360
caagcttggc ttagcgtgtg aagactaagc gcttagcgga tagacaatcg caaaaaaatt 420
tctaagtc 428

<210> 35335
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35335

tgaagggtgt tagccaccca tcttttcata gttgaatatt gttaatgtgt ctactattat 60
tgtcatcatc tttttctccg tcattgaggt gccacttgag ctgccaggtc tctccacctt 120
tgggcgatt cttttgaaga atttgtgcc ctttttgca catgttttgt agttgcatcc 180
tatccgaagc cattataccg aactgccta acgaaggcaa ccattaggtc ctcccaggaa 240

tggactcggg aaggttccaa gttagtgtac caggtaacaa ctaccccagt aagactttct 300
 tggaaggaat gtatcaacaa ttctcttct tttgcgtatg cccgcattct cgcacaatac 360
 atcttttagat ggttcttggg gcaagtaatc cccttgtact tgtcanagtc cagcaccttg 420
 aacttgagag gggatgatgat att 443

<210> 35336
 <211> 394
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35336

agcttgagat gatgtagtgt agaagggtga atcttctctgc ttttattcgt tgaccacaga 60
 gtggtacctg gagatatgtc gcgnggtca ggagaccttg gggacatcag gtgggggtgct 120
 attgccccaa accaagcttg accaatctcg acccaaccg ggcatagtcg gtcagtgaga 180
 acctgtgatg tacctaaaca ggcgagctcc tggcagtcaa cagataaaaag gaacaaagac 240
 cacatagcaa ggaggcttgt ggtggctggc cagctgtgaa acttgattga tatgtgagat 300
 atgggtctctg gtaatcgatt accaagggtg ggtaatcgat tacaagggtt aaaaatgaag 360
 acaggaggct aagatggtct ctggatcatg atta 394

<210> 35337
 <211> 395
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35337

ntataagcgc ggggtctgtga gacgaaggtc aagtgtgttt cgatatacga agatgatgtt 60
 ccgagtacat tggatttggg acgacctgac cctctgatt tccagctggg aaattggcga 120
 gtggagggaac gccccggcat ttacgcaacg agcataatgt aaacctttac ggttttataa 180
 gctctatagt tgggcctagg cttagagat ttctctattg ttaaggcttt gtgtcttttg 240
 tttttgaatt tataatacaa ggatctttct tcatctgttc ctacgtctct accattctc 300
 attcatttgc atgtttactt ctttttctga aatggcagat ccaatgacga gtcccccgaa 360
 ggtactaata cctgagaccc gcctatcgac ttcca 395

<210> 35338
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 35338

gtcgctgca gcatgcaagc tctgaggagt taacaatatt ctcattgtgt catcatcgga 60
 agcgaatatg tgaatgtatg tatacatgat ctcgatgatg tcacagacga atctaacaag 120
 gctgcttcat aggataagca tttgcttcaa gaataattca tgattgcttc aacaaacaaa 180
 gccttgcttc aagattcact aatgaccaag ccttgcccta taacaaagtg ctttcaagac 240
 atgcagggct ctggtaatcg actatcagga tgcgtcatcg accaccagag gacagggtcg 300
 agacatactc gatgaacacg ctctgaactt gactctctac ctgtaatcga taccatatgt 360
 ctgcactcca ttaccatcaa cggaactttg gaactctaca ttccaaagtc ataacctc 417

<210> 35339
 <211> 590
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35339

accgctccct tacacttacc taaccaacgc taatctataa catgcatcta ccaccaanaa 60
 aaaacganaa atttgtagct gcatccntag cnannacngg aactatanac tactcagctt 120
 ggagcgtaga agaaactact gtaatggcat cgttattatc tatgtatgag caacaacgca 180
 ttacagctgc gctaagaatg aacatcacac ttctacttct tctcttatga gtgtactcgc 240
 attatagcta ctcccgtaga tctctgggtc ctacagtatc cttctacaaa ctttaagttga 300
 atctttaccc aatgaccttt ccacgaagct aacgccttat tctgtaagac tacatcgat 360
 tctcgacat gcgaatcgga attcgatat cgacagtcac acaatatgca tgcgtgtaac 420
 gtatactcaa ctaacctcct tagaacacaa gatgatactc ggtgttatta ccgctaggta 480
 cactcatcat atccgagctt ttagctgaat gagtgctacg ccaaaactac ccagatccat 540
 ntcttctttt gctaacgcga ctgatccgag agggcgaccg acgatcgacg 590

<210> 35340
 <211> 435

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35340

 naagctttgc agtgaagagt gatgttgttt acttggttta cttcttcac ttcgtcagaa 60
 tcaccgctcc ttggcatcac cattcatgtg gttggacttc taagacgtgc ttcacaacaa 120
 ctatgggtac cgccatgagt gcaccgtgac ttaatgtcag agtatttcct cgtcagacca 180
 ttgatgtaat ggtggagcaa ctcagatgga gagatggagg acatctcaga tctgaaaggg 240
 gaggaagaag aagggataaa aagagagaaa aaaaaaaaaac caggggaatg tccggaaagg 300
 gggggaaaaa aaaaagagaa taagtcaaag aaaaaaaaaag aataaattca cggtacatgt 360
 catgtcactg atatcttcta tgtgactata tatacttgta tcaactgacat tatgagaaaa 420
 aaataattta cagat 435

<210> 35341
 <211> 447
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35341

 cttgtgtaat cgattacact gatctggtaa tcgattacca gttattgttt ctgaataaat 60
 caaaagatgt aactcttcaa atggtttttg actttttcaa attggtttca agttttttta 120
 aaagtcataa ctcttctaaa tggctctctt gaccagacat gaagagtcta taaaagcaag 180
 gctttgtttt gcattttata acaatccaat caatctaata caatccttta ctaggcttga 240
 atctctntga acttcttctt cttctttgtg ccaaagctt tccaaagttt tctggttttc 300
 taaaccttga aaacttgtgc tattcattct tttcatctct tctccctttg caaaaagaa 360
 ttgccaagg actaaccgcc tgaattcttt ntgtgtctct cttctccctt ttccaaaaga 420
 acgaaggact aaccgctga attcttt 447

<210> 35342
 <211> 430
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations

<400> 35342
 agctntgcag atttgggtctt cgccagagaa aggatcgaag tgggtctgaa aagaggcaaa 60
 tttaatcatc ctgcttgggc gaatgagaaa actggggcaa ttgaagaagg tgaggatgag 120
 ggagaaaccc atgctgtgac tgccattcct atacgaccaa gtttcccacc aaaccaacaa 180
 tgtcattact cagccaatga caaacctctt ccttaccac caccagtta tccacaaagg 240
 ccatccctaa atcaaccaca aagcctgtct accacacttc caataacgaa taacactttt 300
 agcacagacc aaaacaccaa ccaagaaaat gaatttgcag cgaataagcc tgtangttca 360
 ccccanattc cgggtgcata tgctanactn gctcccatat ctacttgata ctgcaatggt 420
 agccataacc 430

<210> 35343
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35343

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 atgggnngac agnaattgat tagcccatga atctcctcgg gagccgtaca cacttcgggc 120
 atggcttttg ctttggctaa tagacgcggg aggtcttgac ttccattcaa ggtcaaggcg 180
 aacctatcca tccacatagt cgcttcttga tgcaatgcat caatcacctt ccttcttgc 240
 tcttttttgg cgtacacttg tgcaaaatcc tccgctagct cttgttcatg ggtcacagac 300
 tggttcaact cttccttgta ttgccctatg atagctagca tgctgtgctc tgcggttcc 360
 aagtgttgag ccaaactcct cttggacctt ggcacgcag ctaactcttg ttttaagatc 420
 atgccatg 428

<210> 35344
 <211> 412
 <212> DNA
 <213> Glycine max
 <400> 35344

agctctgatt atatgggtctt caccgacgaa aggattaatg tgggtctaac aaaaggcaca 60
 tttagtcac ctacttacac cactgacaaa actggggcac aagaagaggg tgaggactga 120

agagaagccc gtgctgtgac tgccattcca atacagccaa gtttcccacc aacccaacaa 180
 tgtcattact cagccaataa caaaccttct tcttaccac cgcccagata tccacgaatg 240
 ccatccctaa tatcaaccac aaagcctacc taccgcactt ccaatgacaa acaccacctt 300
 tagtgtaaac caccacacca accaagacat gaatttcgag cgagaggggc ttagaattca 360
 cccaagtgc agtgtcctat gctaactatg ctccatattt acttgataat tc 412

<210> 35345
 <211> 246
 <212> DNA
 <213> Glycine max

<400> 35345
 agctcgaatt tgaacaacag aagctcttga gaaattcaaa tggccataac ttatcacacg 60
 gaagcccga tcatgcat aatatatcga gaccctcgaa attgctcatc aggaagccct 120
 caagaaagac aaatggtgat aactcttcaa acggaagtc caatcacgag catatatata 180
 tcgagaagct tgaaattgaa caatggacgc tcttcagaaa ttcagtcagt catatctcat 240
 cacacg 246

<210> 35346
 <211> 281
 <212> DNA
 <213> Glycine max

<400> 35346
 tcgaacaaca gaagctacga gaactacaat ggctattata tgtcacacgg aagtcgatt 60
 caggtgcata atatatcgag acgctcgaaa tacaacatcg gaagctctcg agatattcca 120
 atggtcataa cttgtctcac ggatgtacga gtgacgtgca taatgtatca agaagctgga 180
 aattgaacaa cgaaagctct cgagaaactc tgatggatcat aactgtcac acggacattc 240
 gacacacgcg cataatatat cgagacgctc gaaattgaac a 281

<210> 35347
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 35347
 agcttatcta gacacaatat atttcacctt anataattgt tatctaaact tttttctacg 60
 taatgcggaa taagtaaaaa actcgggtgga ttaacaacaa attattgctt tgtgtttgaa 120
 attattaaga tgtaacaatg tgatgaggaa actaaactca acaaactttt tgctttagg 180
 gtctacctat tatgcaaact ttaaccctca agtctcgacc atgaaataaa cagtagaggt 240
 gacagaaagg ttgggatggc tnggatgcaa aaggtaacca natccanaga ccnagctggc 300
 aacctatatg gacacacgct gacaagccca ggactctntt ttattccata tacatncgaa 360
 attgtttttt tttttctctc tctttgggta ctaatgtatt ttgatgtgca tgttcagcat 420
 caat 424

<210> 35348
 <211> 488
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35348

tctnacaac tctgctagtg aaattcacat cacatcacta tacattttat cttggatttt 60
 gcatcagacc tgggagatgc agatgttgat gaagatgaat gtcttccagt gtttcttgcc 120
 acctgaaaat agcatcacca gaaaattctt aaaatttcaa ctttcatata agcagagcta 180
 gtagagtagt caaacaccat atcattttct tagaaaagag tttataattt tcatgcactt 240
 agtgtaaaga gttttacatt atcaacaaat taaaaatcac tctaagaatg acttttctaac 300
 aatcttatca tatatgacaa cttgtgactg aatgatgggtg taaaattaaa ttggtagtat 360
 attatagtta aaattctata aanatgatca ggtatttgct acccaataat atagatcctc 420
 cacaaaattg anaatgatca catccattgg ctgccactca ataagatacc aaagcaactg 480
 acaacact 488

<210> 35349
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35349

tggtggcctt gtggtggatc tgaaggggga catggttctg aagtgcggtc cattacgcca 300
ccacaactat gacgttttgt ccataaggat ggagctagtg gnttcttcca tattegcatg 360
gtatcatgcg agcccccttc aacctanacc atttggtcac ccactaacac tctagaaata 420
gcat 424

<210> 35352
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35352

agctttgagg aaattcaaac gacaataact tttgactcgg atgtccgatt gtgtcccgt 60
gtatctcgag acgtccaaa ttcaaaacag aagctattag aaaaatctat ggacgataac 120
tttttacacg gatgtcccat tgagtcccat aatatatcga gacgctcgta attgaaaaca 180
gaagcgctga ccaaattcaa acgacaataa cttttgactc agatatccga ttgtgtcccg 240
taatatatcg agacgctcga aattcagaac aaagctatta gaaaaatcaa acgacgataa 300
ctttntacac ggatgtccga ttgagtccca taatatgtcg agacgtttga tattgaaaac 360
tgaagctctg agaataatca aacgaccata acttttaact cggat 405

<210> 35353
<211> 470
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35353

ttacgagcgt ctcganatcc tacgggactc tattggtcat ccgagtgaag agttattgtc 60
ggttgaatth gtttagagct tatgttttca attacgagcg ttttgatata ccacgggaca 120
caatcggaag tccgagttaa aagttattgt cgttagaatt ttctcatagc ttccgttttc 180
aattacgagc gtctcgatat cctacgggac acaatcgaac atccgagtca aaagttattg 240
tcgtttgaat ttgtcagag cttcagtttt caattacgag cgtgtggata tattacaaga 300
ctcaatcaga catccgagtt aaaagttatt gtcgttttga ctttaataga gcttctgttt 360
tcaattagag cgtctccata tattacgaga ctatattaga catccgagtc aatagtatgg 420

tcgtttactt tcacagagct tgcgtgttaa tttgagcggc cgatatatat 470

<210> 35354
 <211> 424
 <212> DNA
 <213> Glycine max
 <400> 35354

agcttctgtt ttcaattacg agcgtctcca tatattacgg gcctcaatcc gacatcggag 60
 taaaaagtta ttgtcgttag aatttgctca gagcttctgt tctgaatttt gagagtctcg 120
 atatactacg gaacacaatc ggacatctca gtaaaaagat attgtcgttt gaatttgctc 180
 agagcttctg ttcttaatta cgagagtctc gatatattac gggattcatt cggacattca 240
 agtaaaaagt tattgccgct tgaatttgct caaagcattc gttgtcaatt acgagcgtct 300
 agatatatta cgggattcat tcggacatcc gagtaaaaag ttattgtctt tttatcttgc 360
 tcagagcttc tgttttcaat ttcgagcctc ttgatattat acatgactca atcggacatc 420
 cgag 424

<210> 35355
 <211> 469
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35355

tgtagaaaat cganacgaca aannatttta tctaagattt ccgaataaat tccgtagtat 60
 atcgagacgc tcgaaattca aaataaacct ctcagcaaaa tgaaacgaca ataacttttt 120
 actcgaatgt ccgaatgaat cccgtaatat atcgagacgc tcgtaactga naacagaagc 180
 tctgagcaaa ttcaaaaagat aataactttt tactcgtacg tccgattggt tctgttagta 240
 tatcgagacc ctcgtaattg aaaccagaag cccgtagcaa actcaaacgg caataaattt 300
 ttactcggat gcccgatga atcccataat atatcgaggc gatcgtaatt ganaacagaa 360
 gctatgagca aattcaaacy acaataactn tntactcgga tgaataccgt aatatatcga 420
 gacgctcgta attganaaca aaagctctga gcacattcaa acgacaata 469

<210> 35356

<211> 413
 <212> DNA
 <213> Glycine max

<400> 35356

agcttcacgg atttgcttac ggaataatct cggaagcgtt acggaagcac ctcgacttgg 60
 atttttcttca cggaacaat tgttttcacc caaaacagca gttgaagacc gaagaaaacg 120
 aataacgaac gatgaatgtc gaacaacgat tgaaaatctt cgcgtaatta cccacggaaa 180
 cgttacggaa gtgcctcggc ttggattttc ttcacggaaa caatctttct catcaatttc 240
 aagagaatac gaagtaccaa gaaggctgaa cctctcctt cttcattcct ccgcctatct 300
 atagcaaaat aggggaggag cttgcacca gccacccagg cgagctcact cgcccggcga 360
 gctaattggt ccttcgaaca accgcttctg aggaagatat gaaggccgag tgg 413

<210> 35357
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35357

gcttccatcc ttactctntt tttttntttt gttntggatt atgttcaata tcttttatac 60
 ttggtatcaa gtattggatt gcgtactttc atacgatgaa tctaagagag gtgtccttta 120
 agagacatcg atacatggta tctgctttat ttttctcttt gcagattgtt agttacatgc 180
 atgttgcggt tcatatttta cacagaatat ttcttctttt acaacttggt agtgtcatcc 240
 attttatcac ctggtggaat aagtactgga ctccacatga agaaaggaag cagaggtaca 300
 cattatttct gcaataattc atagataaac ctgaagtcaa attttacatc ttgttctgag 360
 gatgaaggga acatacttga cttctgaatc agaattgtgt acacggtatt tgggtgttga 420
 taaatagact aaagac 436

<210> 35358
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 35358

agcttatata ggaagcttca aaggagaaac aaaatgagag agaggggaaa aaagtgcacat 60

005707-907460

gggaatgaag gaaagatggg gaaagaagtt gaactttgac tcgtatgcaa tatcatactt 120
 cgagagttca attgaccatg tcatcatttg tctgactaac tcaggcttgc gtaatatctt 180
 gcctattggg caatcagttt gaacagtgat cttgtggctc tgaaagtatt gtcgaaggta 240
 gcaagcggcg ttgaccagtg tgagggctac cttttccatc acctgttacc tcgtctctag 300
 atcttacagc tcccgaactta caaagtatat cgacctctgc tatcttcctt cctcttgtat 360
 caataccacg cttatggcct cgatcgagat cgacaggtaa acaatcaatc tt 412

<210> 35359
 <211> 403
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35359

tataagtgag gcctngtgag aggatttgct caaacccctcc tatatcagta cttgtagtaa 60
 taaagctgac actactacta ctaaggcaag gataagatgc agcatcgacc aaagctntct 120
 gaagaacaaa tctgttaagg gtaccacgga acttcttgaa cagcatgtgt ggaggcccca 180
 gagaggggtg ccagagcgtg cagtggcaat tcttaaagcc tggttatttg agcattttct 240
 tcatccgtat gttagtctct atctatgtct cttattaata tatttcttgc ttcgtgactc 300
 tcttttctgc attctaaaga gacatttga ttgaattgtg tgcttttttt gctgatgttg 360
 aatatctctt tcattaccct acagacactg attaacacat gct 403

<210> 35360
 <211> 405
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35360

cgctngtaat cgattaccgc gagctgtaat cgctacaata agctccctgt ctataaaagc 60
 tgcatttctc ttccttgccg aaaacccttt ctctctcttt ctcttgatg acgcccaccc 120
 ctctccaaac ttcagatctt cataactctc tcatttatta tccaaatcac ttcaaacaaa 180
 gctcagatctt cttctttttc aattctctac aaagcccgcc gatcaaaatt tgctgaaaca 240
 agctacaatg gcagaatcct caaagaagag aaagggatcc tctccacca ccaccactgc 300

aggccaacgc cgccacggca catccgatga cccaccaaca tcaaatectc cttccttttc 360
atctcccacg tcattaactg ttgcttcttt caatgaccag cgcta 405

<210> 35361
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35361

tcaataaaat tacttgccca cattatgcaa ttcctacaat tgtagtcag attccttgtg 60
atatggaaat actatcataa ttgcaattg tcattaacac tggtttgga agaataccgc 120
gcttttcaat ttgtcattg attgtctttt ctttggaatt atgttacata catagcagtt 180
ttgcttctaa tgtttgatct aacaacttag tcatgtcata acttttgtn tgaaatatta 240
ttcctcattg tgggtttgca tacactacta aatactggac attctatgtc gggtatttag 300
gacattctaa atcggntatt aaccattgtc atagacaacg ccgtanaata ttgcaccta 360
cgatgatggt taccatttta gaatgtaat 389

<210> 35362
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35362

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gatgtttcta ttgaagccat tgcagccctc actcagtatt acgatcagcc actaagatgc 120
tttatgtttg gggactttca gttagtacca accgtggagg agtttgaaga gatcttggga 180
tgctgtctac gaggaagaaa accatatctt tttctgggt tctatcctc catggcgaga 240
atagccaagg tagtcaaat ctcggtgcaa gaattggacc gagtaaagca taatagatat 300
ggcgtggtcg gaataccgag gaagcacttg gaggagaaag cgaaggctct ggcggtatcg 360
ggtgaatggg cttcgctcat tgatgtcttg gcactattgg tatttggagt cgtcctc 417

<210> 35363
<211> 432

ctcacaagat ctgtgttgcc ttgcttctga aggaaaggcc gtgcataatc agagggaaaa 60
gatagaggca caagagcatc aaagtgtctc aattaattca gagtatgcag atgcaaaaag 120
gcttaactgc agttcactag taatagattt gcagtttaca tccccaccta tacctgtcga 180
tattcctgag agaaatagaa gtcaaaataa ggaagaactg gttttattag cttcaaactc 240
ggagtcacat gtttcccaag aaggacatgt tgggagtatt actgatcata gcttgttggt 300
aagtactaaa gctgaggggtg gtactgtcat ggtaaataaa acatgggtga agaatagcag 360
ggcgaaagca acacgagtgc atctcaatac taaacctgct gttggagtgc ctctcaatag 420
catggggaaa gcagcaagag tgcattcttan tactaaactt 460

<210> 35368
<211> 429
<212> DNA
<213> Glycine max

<400> 35368
agctctacat atttgtttta atatctatat cggcataact gcactgttaa aggtcaatca 60
gtagatgcac attatgttga ttcaaccagt atgtgttctt gccatgataa tgtgccgctt 120
atgaagattt gtcgccggcc cgaaaccgat tatcggttac agcaacttca tgctgtgaat 180
gaggcagcac ctgtggatca gcagaagact ggcattgata cagcatcaaa tgtaaatgcc 240
gtgaggggcta ctactactga aacagtgcc aagcagctga ttgcagcaaa cattcatatg 300
gagacgacgc cagttccagt tgtgcaaaaca aatgttcttc aacaacctcc acaaagtatg 360
gatattgatg tggatcataa gaaagctgac acaattgctg atgttcaagc tggaaattcc 420
atcatcacc 429

<210> 35369
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35369

ttgagccgag atnctgactc actgtatacc ttgagccaga gtgttattgt tgatccttac 60
cctcggaagc aatgagaat agaggggaga tttccaatcc nagaataaga gaaggagaat 120
ttgcactgaa tgcagatcaa gaaaagaagg agaattcccc aatcaaagag tgcgataaag 180

caacaaaaga taagaaggaa aattccccaa tcaaagagtg ggagaaagca aaaagaagag 240
 aaaggaaaat tctcaatcaa agaattgggag atagtataaa aggaagaaga agaaggaaaag 300
 aaagctcctg atcaaggatc gaaagaaaac agaagatatg tgcagagagg tctttggacc 360
 ggacaatatc tgaacaatac agaattgcac caaatgaacg aaaanagaag gagagggaac 420
 cagcacctaa aatagtct 438

<210> 35370
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 35370
 agcttgtctc atcgtttatg cgagacagag accaactgt tagccatcgt cagcaagtac 60
 caagaagaat taaatctagc cacaaccac gagcataaag tggcggacga gtatgcccg 120
 gtgtacgcgg aaaagaaggc tagaggaagg gtgatcgact cgttacatca agaggcaaca 180
 atgtggatgg accaatttgc tctaccttg aacgggagtc aagaacttcc ttgattgcta 240
 gctaaggcca aagcaatggc ggacacctat ttcgtcccg aggagatcca cggacttctc 300
 atctattgtc agcatatgat agacttaatg gcccatataa ttagaaaccg ctaggaagtt 360
 tgactggcac tcagatcttg actagttata aatttttaaa taaaatgagt ttatcccatg 420
 tt 422

<210> 35371
 <211> 489
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35371

nggttcccaa cgctttgttc anactctccc anaacctaga ggttttatag aatctctatc 60
 agacactatg ctagatggca caccatgtaa tctgacagtc tcaactaatgt acaggagggt 120
 caacttctct aaggaaaacc taatattgat ggggataaag tgtgtagatt tggtaactct 180
 gtcaacaaca acccaaatag aatcaaaacc tttgggggtc ctaggtagtc ctacaacaaa 240
 atccatgggg atactatccc acctccactg nggtatctct aatgggtgta acttacctga 300

aggtctctga tgttctatct tagccttctg gcagactaaa cacgtataca caaactcggt 360
aacctctctc ttcattgttg gccaccanaa cattatcttt agatccggat tcatcttggt 420
agcaccaagg tggatgctca nngtgctcct atgaccttcc tctaagatca tcttccctatg 480
ttcggcaca 489

<210> 35372
<211> 407
<212> DNA
<213> Glycine max

<400> 35372

agcttagact gagttcatcc taccatctc agactaatgg ccaaactgaa cggaccattc 60
attcggttga ggacctttta agagcatgtg tcttagagca gaaggaagt tgggagagtt 120
ttcttccatt gatagagttc acttataata acagttttca ctctaccatt agcatggctc 180
cctatgaagc tttgtatgat agatgatgta cgacaccct atgttggtta gagcccgag 240
aaggcctcac cttatgacca gacgtggtac aacaaaccac tgagaaagt tagttaattc 300
aggaaaggat gagaactgct cacagtacgt agaatagtta tcatgataag aggaggaaag 360
aattggaatt cgacgttagc gatcatgtat tcttgagagt cactctg 407

<210> 35373
<211> 496
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35373

cctgaagaca cagtaatggc aaggatgctn ttgttctctt gaatctcttt ngggtcaatg 60
ccaattaagt ccaatgaggc aaagtaaaaa ttgttggttc aaaaagaata aagggtggga 120
aatgcaaac aactttgtca cctcaggaga agctttacat gatgaataaa aagagaaagg 180
aaagacattc ttgccttata ggaaaaagt gattgggatc tacgtcaaca ttaatggatt 240
tagtaggac cttagtactt tttgatatcc caattctaca ttntttcact agttttggat 300
tgttttatth gctcatgata aaacaatttt ttgggtaaat aatccatgta caaaatttgg 360
tgtttacaac aatatcattg tttgaggatt ttnttttgc ttagaagaaa acaagagtn 420
gcaattccct aggagataaa tattttgtgt aatttttagt tatatcatat ctacttaca 480

accctanata tctact

496

<210> 35374
<211> 361
<212> DNA
<213> Glycine max

<400> 35374

agcttgatc ttaatttaga attcctctat aataaagggtg attacatcaa tccttttcat 60
tttttggtgg taaagacggc tttatcccat caatcctttt tctatatcta tcataataat 120
gatccggggt cctttgaata ttttacagga aagaatctat ctcacctgta atccgatatc 180
gcaatcccg gatgtgaccg ttttatttca tataaattaa ttctttcttt tatatgcgca 240
catacaagag atggggttagc cgtttttttc ttgcacaaaa gtaaattaaa ccattatcac 300
cagtttagcg gctgtcgcca ccttcttcta cctctaccat atcccatcac tgccacaatg 360
c 361

<210> 35375
<211> 303
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35375

aaataactgt cataaggcgt gaacctatgc atactaccca tcatatctct canaacacta 60
taccacgaa ccattatgtg agatgatgtc taccacaaacc tgatagtga agtgccacga 120
tgagagatg cgctacacga ctccgaacat ggctttcttt cgcgattggg agcagacatg 180
gtgtacaaag gttggagctc tgatggagct tcaatggcga tgaagaagaa aggaatagca 240
acgtgagaaa gagagggaga atagcttctg aattcttggg gctgagtga gagagagaga 300
acg 303

<210> 35376
<211> 426
<212> DNA
<213> Glycine max

<400> 35376

agcttatgcg catatttcct tacgaacggt cacttgacaca agacatccta ttaactaaga 60
 aaaatgcacc catatacaat caaggtagct tcattaccta gattatttac atgtacttcc 120
 aagggtgtatt tgttacttac atcacacaca tctccttggc tgaatttaca tacatgcata 180
 ctcaaagcat tttgggggtac caaaaattgc acatgcgctc atcttgggtat ttctaatacc 240
 tatacatata caaacttcat gatgaatctt gactacctac acaataaggt gctacatttc 300
 atgctttttt ttcaagtttt tgctacctaa agccgcatgc aaattcaagc atattttcct 360
 tcactgacta aaattgtatt caaaataaaa ggtatatatc tctttgtaat atgctttcct 420
 cacata 426

<210> 35377
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35377

tgtcatcgat taccagagga cattntcaga aaattatttc tatgagtcac aacttttcaa 60
 atggctctta catggccatc aaaggctctat ttatatgtga cttggaacac anatttgctc 120
 acaatttttc agaacaaaaa ggttttatcc tctcaaaaag caaaatcttc ttatcctcct 180
 aagattcctt ggccaatata cttgcaattc aataaggatt tatttgagtg ctcaaattgt 240
 tcaatctatc tctttcaaga gagatttctt cttctcttca ctctaattct canaaaggga 300
 ttaagagacc gagggctctt tggtgtatag aaatctgaac acanaggaag gattgtcctt 360
 gtgtggttca gaacttgtat agggatttac aagatagtgg aactctcaag c 411

<210> 35378
 <211> 402
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35378

agcttctata ttagctgaac cattatatca ataaacacaa gttgagtttt attcagaana 60
 ttagagctta tctcttttat cttagtgaaga gtgattctcc taaattcttg agtgattcaa 120
 gaacaccttg gctgtatcaa aggactttca caacctttgt gtgttgccct cgctggaaag 180

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35381
 tgtccatgaa aataagatat tgaagtatgt catttcaatt tctgactacg tgaactggat 60
 cattttttaag atccaacgcc ttaaaatgat cacctcttat gttaaagata aaaatcactt 120
 gataagcaag aactacgtag gtctgatttc ctcatcacia ttgatgatac gtaggagcat 180
 aaggcccgcct tttgttgacc accccgagag atcggttaatg gtccaacgcc ttaacgtttc 240
 tctcctttct gaatcaaaaag atcgtttaac ggtccaacac cttanatgac ctttttgttc 300
 aatcagaata tatcggttgcc aaagatgaat aaacaactta accaaacact cttgtccgaa 360
 agaactac 368

<210> 35382
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35382
 agcttccatc atgagatatg atgtagaacc actccatgta gtccaataca cactgtccag 60
 gagcaatata aatctgaccc accggtgcaa ggtatttaga aaactaaatc tatctatcat 120
 caatatactc tatagataaaa gatggagcaa caaggtgtgg aggaatggtc tgcaacataac 180
 caaattgtca caaccctctt tagcagtgtc gtctcgaaca tcttcgngc ccgaagcaaa 240
 aactaaaaaa gggaccccta aacaacggaa acgtatttca taaataattc attgacaaaa 300
 aatttcataa atttataaat tcaaccaaca aaaaataaac acaaaactct tgtatattat 360
 aaagttcacc acaataaagt taataattct tttccagatt tctaaaagtt ggtaagcccc 420
 tc 422

<210> 35383
 <211> 478
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35383

cttgaattta taatacaagg atctttcttc atctgttcct ggtctctacc cattctcatt 300
catttgcattg tttacttctt tttctgaaac ggcagatccg atgacgagtt ccccgaagg 360
actaatacct gtgacccgctc tatcgacttc 390

<210> 35386
<211> 419
<212> DNA
<213> Glycine max

<400> 35386
agcttctcat agaagcttct caaggaagtt tctcaagaaa gcttctcatg gaagcttctc 60
aaggaagttt ctcaaggaag ctacctaggc tataaataga agcatgtgta acactttttg 120
taactttgat gaatgaaagt cttatgagac acacttcaaa gttccacttc tctccctctc 180
ttattccttc aatttcgtgc tcccccttc tctctttctt atcctccatt aaagcatcct 240
cttcaagatt cttatccaag gcacattctt ggtggagaag ctcttcttc catggcttat 300
ttcctagtgg atgaggactc cctctcttc ttctctttg ccttccgctg catctccatg 360
gtggaaaatc accattgaag aaccgcattg aagctcacag atccagcctc catagaagc 419

<210> 35387
<211> 318
<212> DNA
<213> Glycine max

<400> 35387
cgaagtgaga gagtgtggaa gagtcagtct tctactttt attcgttgac cacagagtgg 60
tacctgaaga tatgtctcga gggtaagag accttgggga cgtcaggtgg tgtgttattg 120
cccaaaacca agcttgacca atcccgaccc aaccaggca tagtcagtca gtgagaacct 180
gtgacgtacc tagacaggcg agtcctggc agtcaaccga taaaagaaca cagaccacaa 240
agcaaggagg cttgtgtggt ggcattggcag ctatggatct tgagtgatat ttgggttatg 300
gcctctgcta atcgatta 318

<210> 35388
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35388

agctcttggc acaaagaaga ataagaagtt cacagagatt caaggcttgt aaaggactgt 60
ataagattga ttggaaaagt gtattaaaaa gcaaatcaaa gccttgcttt tatagactct 120
tcatgtctgg ccaagaggat catttagaag agttataact tttagaaaaa cttaaaacca 180
atttgaaaaa gtcaaaaaac catttgaaga gttacatctt ttgatttatt cagaaacaat 240
cactggtaat cgattaccaa atcagtgtaa tgcattacac aaaactttta tgtgaaagga 300
tgcgactctt cacatttgaa tttgaagttc aacgtttaaa ggcactgata atcgattacc 360
anaacattgt aatcgattac aactttttga aatcaatggg agcgttgaaa ttcat 415

<210> 35389
<211> 484
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35389

ntcggacaat gaagaagaag aagttcaaag agattcaagg cttgtctatg attgattgaa 60
taagtgtaaa aatgtattta aaagcaaadc aaagtcttgc atttatagac tcttaatgtc 120
tggccaagag gaccatttag aagagttata acttttagaa aaacttaaaa ccaatttgaa 180
aaagtcaaaa accttttgaa gagttacatc ttttgattta ttcagaaaca atcactggta 240
atcgattacc aaatcagtgt aatggattac acaaggcttt tatgtgaaag gatgtgactc 300
ttcacatttg aatttgaatt tcaacgttca aaggcactgg taatcgatta ccacaacatt 360
gtaatcgatt acagcttttt gaaattaatt ggaacgttgt agattcaata tgaaaacttt 420
ttcagaacaa ttctgctatt ggtcatcgat tacaacaatt tggtaatcaa ttaccagaga 480
gtaa 484

<210> 35390
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35390

agcttatgcg catatttctt tacgaacgtt cacttgcaca agacatccta tcaactaaga 60

agacatggct tcaagggcta catcactggc agcatctatc atacttctct gcatattact 360

<210> 35393
<211> 303
<212> DNA
<213> Glycine max

<400> 35393

cgaacgccgg ccacgcgcgt gaccacgggt ggtgcactga caatcgtgtt gtcgctgaat 60
ccctgtactt gcatgtggag ctctgggtccc accgtcgagg tgggtgtata tggattctgc 120
aactcggcgt ttggctctgc caccatgacc tccacctcct caccagtcac ccacgcattg 180
ctggtaatcc cgttttagcgt accgacgtca ctatctgcag agtctaattc ttacatgag 240
ccatactcac tttccttccg gccatagcaa gggcctgaat tgctgccatc ttctattaca 300
ata 303

<210> 35394
<211> 427
<212> DNA
<213> Glycine max

<400> 35394

agcttcaatc acattgtgtg ctgctctgac ctctacgtct gctatgtatt cctacaataa 60
acaaaagaca gtgtcatttt tagacaaaat tctgagattc aatgaacaag taataaatct 120
tcgcacaagt acgttttggc caaactttca taaaataaca ttattaggat ggacctaat 180
aaagtaacca tgctataact tttcttcacc aaatctttgc ttttgctcag aaagtcgggt 240
ctaacattgc atggaaaatg gaaaattcgt tcttgggtgtt tgtgatacat atatagatga 300
gattaattta ctaaaagcct aatatatatc aatatcacta gcgaattaat atacatttca 360
gtggacaata tgtattggaa ttatgttgta atacctttcg tctaatatat gtaacaaat 420
aaactat 427

<210> 35395
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 35395
 ntgagccaca atcctgactc accatatacc tttgacccag gtgttaatgc caatccttac 60
 cctcggaagc aaaanaagaa tagaggggaa atttccaatc aaagaataag agaaggaaaa 120
 ttttcaatga aagcaaaaaa gaaatgaagg aaaattcccc aatcaaagag tgggagatag 180
 caaaaaaagg aaaagaagga gaattcccca atcaaagagt gggagaaagc aaaaagaaaa 240
 gaaaggaaaa ttccaatca aagaatggga gatagtaaaa aaggaagaag aagaaggaaa 300
 gaaagctcct gatcaaggat cgaaagaaac cagaagaaat gtgcagagag gtctttggac 360
 cagacaatat ctgaacagta cagaattgtc accaaatgaa cgaaaaaaga atgaaaggga 420
 accacgacct caaatagtct tctcc 445

<210> 35396
 <211> 512
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35396

tcgcgctcta cctacctctc ttcccactaa tataggagta ctactatgta cacactatta 60
 ttgtaataca aaacanncat acagcngnng cctgatgcat catactcacg gcaacagccg 120
 gaccgggacc ttagatcgac tgcagcagca agctagaaaa tttatttccg ctgttatact 180
 ctgtaaagag ttgttattgt gcgacttatt ttcccattca taaagctaata agaacaccct 240
 aaactgctct aggccataat ttaaaagact gtactgctaa gtgattcatc ctgaatacga 300
 aaactcaagt ggttgaaatg acaaagaca ccatgcaatt aattgacctg aaatttcaat 360
 tattcataat gcaacaaaga aaactacccg acatcctctt agcgaaaagg cactaccac 420
 ttttgggtga ccataaaata tcatactgtg gcctattcgt aactaccatt aaaatacatt 480
 ttaaaccac tgtcttatcc atcaatcata cg 512

<210> 35397
 <211> 421
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35397

<210> 35402
 <211> 226
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35402

agcttggtgc tttcttnccg ccccatacta gcaaatacga caccatccaa ctatagggaa 60
 atgtcaccat gctctttaa cctctccata ataaatgcct tcactactta cttcactacc 120
 atgggatcat caaccatct cctttctttt acaatacctt gaatattatt actcctcctc 180
 catttcacca ctttatggaa ataacaagtg ctgtcacctc ctctct 226

<210> 35403
 <211> 313
 <212> DNA
 <213> Glycine max

<400> 35403

taatatgcat acaacaattg acttactagc tgattgaact tgttgatgag gtcataaaga 60
 cctactacca tctgcatttt gagttgatac tactccatcc tcagatagag gcgattagtc 120
 gatcggttag tgactctgac gcatagatat tcttgagctt ctaccacaag accttctatg 180
 atgcttcctt caacacgagt tgttgatatc taagagcgaa ggctaacc aa atcagactca 240
 ccatactcct ttggacatag accactccgt ttgatttata gaagctggca attcttcttc 300
 taactcctga aca 313

<210> 35404
 <211> 297
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35404

agcttcta at gctctgtgct gcaattgcag cactgccaca gttgctttct cttctactga 60
 tagagaataa ttgagagaag atgatttgat gtcatcaaag gaaggccatc ctgaagttgt 120
 agaagaaaaa ccagccttgg ggctttcact ttcccactca gcaccagaaa ccagagattc 180
 atgagattcc tacattcaat tntcattagt aacaaccaac aagaagtaaa catatatggg 240

agttgggatt tgctagcaga caatattact attccaattn tcacaaattn gaagaaa 297

<210> 35405
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35405

ctgattccaa atggaacttc tcttccactg agtcctccag ctttttctga aatagagttt 60
tggcagcctc aagttctgat atagctactt ccttgtcatg taaaatggta gtgatgtatt 120
cctgtttttt agatcagaa cgagcaagtt cttctagtaa ttgatccctc tctttctcaa 180
taatctcttg tctatgttga gctccgaaa gagctattnn gggtaccact aattcatctt 240
ctattcctat aacatcatct tgatcaacaa ctacatctgt gagtttgtca tctgaatcat 300
tctgtcacac aaatagaata aatatagggt cactctccac tatcaacttt gtaatttgca 360
cctacttaat ataatatcat taatagatat gtgaaactcg gtcacctttc tgaaccaga 420
tactcaanat ggccagcctc aaaatcatgt atttcataaa gaactagata taagt 475

<210> 35406
<211> 324
<212> DNA
<213> Glycine max

<400> 35406

tctatggaag ctggatcttt gtacttcaat gagatgcttc tatgggtgatt ttcaccatgg 60
agatgcaacg gaaggcaaac gagaagaaga gaggggaggc tccatccctt atggaataag 120
ccaaggaaga aggagcttca ccaccaagaa ttgccttga taacaagctc gaagaggatg 180
ctttaatgga ggaaaagaaa gagagaaggg gggagcacga aattgaacga atacaagagg 240
gagagaagtg gaactttgaa gagatactat aagactttca ttcacacag gtacaacaag 300
cgctactcat gctttttattn atag 324

<210> 35407
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 35407

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 ataaacaatg ttgacaagat cattgaggcc gaagaagaaa tggctaactc catgtgtgta 120
 attgagttga atagacaaag tacatttttc ttggtggaac aattactaaa tccaagacaa 180
 tgatgtcttc cagaaaaatt tgctataaac atttcttaat aatgggtgtaa ttgtggtaaa 240
 ttataaaaaat tacacatgtc atgttcacat gcaattgcaa catgtaagta tgtccatggt 300
 gattacaaat agttaatcaa tggcgtttac aagctcaatt acgtgtccaa cgtttacagc 360
 agactgatag agcattttta gttcattaat atcctattct tcttagctta ttcgaccttt 420
 ctttgactct tattctctca gcttaattca a 451

<210> 35408
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 35408

gctctcacta agctcttatt gtataagtgc tcaactaaac tatatattca tgttcaaata 60
 ctcaaagaca cctttgataa ccttaaaatg ggaatcctca attgaatttc aacatattat 120
 gaactatata gtatgccctt acaattttat tctaacaagc ctctggccct ttatgtgtat 180
 cttcatccca actgcccata ccttcataaa tatatacagg atatagtacc tatgcaccca 240
 ttgtttattt gcatttaaac tagaaaaagt acaccttagt atttactact acgaattgaa 300
 cagggaaaaa taatacaaaa ttacttacat gacactccct tgatttgaat ctatcacacc 360
 c 361

<210> 35409
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35409

nggaaacgan attacctcac tgggctatca cggcatgatg ctattactct cactactaaa 60
 ctagaatatg attcgagata gaaggtaatg atgtataana ccaaaactta ctatctccaa 120

cttccttttg ttgttttctt tttatccggc gagaacaaca ctggctcttg aatgttgacc 180
 ttgaacagta gcaggaccag cacacatttt caaagataaa aaanaaatta tatatatata 240
 tattgaactg aagatacccc accaccatgg tggcaagtcc tacgtaaaca tatttctgtt 300
 gacaaagaca aaaaaggggac ctttccatat gttntcactt ttatatatat atatatatat 360
 atatatatat atatatatat acaactaata accg 394

<210> 35410
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 35410

agcttccccg attactgtca aaggccaaag caatggcgga cgtgtactcc gccccgagg 60
 aaatccacgg gctcctcagc tattgtcagc atatgataga cttgatgggc catataatta 120
 ggagtcgata gggagtttgt attgtcattc agatcttggc tagttataaa tttctgaata 180
 aaatgagttt accccatgat tttactccaa aaaatcagcg cgaatcaaat cactcccaca 240
 ctttatctct agcatgcatt cattcttcac tacgtactcc ttacatttgg tctctttagg 300
 aaagacgcca taactaaacg cgccccaagg gatccctatc gcaccatatc ctaatcaagg 360
 acgatgagta acctacagga agcgcaggaa catatgaaag tcgacatgtc 410

<210> 35411
 <211> 479
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35411

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 atgataatga ccttattaca tctgcggaca agtgaaaagg gaacaagaca aaagggatac 120
 cgaatgggtg tgtatgtgcc gaatactagc actaggctta caaagtttca cacaatgctt 180
 atttgcttcc agtataagca cataaagctc ctcttgagat atataagaag ccatggcatt 240
 cttttagaaa agtggcaagc aaaaaagagg gaagcaatat gttgatttaa aagttaaaaa 300
 atcaaagcaa catgggggatt tagcattttt attttatgct tgattcacag agcatgaaca 360
 aggagaaaaa actaagcttc atacatgttt atgtcatagt ataccacatt cattagatat 420

ttccatcccc aatgatgggc aggtgcaagc tttnngccaa gtagatacct taaagagca 479

<210> 35412
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35412

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attntatcaa aatggttggg attaggtgga aaatcccatt ttcgtaggcc cacatcgtgt 180
tttctaattg gagttgataa tggccctac taaaattgct attggctcctt acaaaacttt 240
aaaatttgag gaaaaggcca atttaccctc tattcagaca ctccaccctt cttccccct 300
tcttcttact atggcttatg ttcttctcaa ccccatgtta aatatacaat ggaaatacaa 360
ttctat 366

<210> 35413
<211> 487
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35413

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tcaatacctt tacctattgc tatcaatctt acttgcattn ttactgtttt tagcctatac 180
ttagtttaat tatgttctaa ataatacaatt atcaatgttt ctttcaacaa tgctntattt 240
atgaatttaa cctgtgctaa tactagctcc ctgagtgtga tactcagatt caatcgtttt 300
aattntaaat acttgacgat cggcgcgct ttccggcaaa tcggatttcc cttgaacata 360
tttgataaaa gaaaaagtgg accataaagt aactgcaggg gaaatccaac attgccccag 420
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tcctact 487

<210> 35414
 <211> 403
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
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 tggatcaact ttactttgat ggtatggcaa tatgcagtca tgttgggtct ccaaattctt 180
 ttattactct aacctgtaat ccaaattggc ccgaaattcg tagattactt tcacctttga 240
 atctcanacc aacagacagg ccagatattg tatcacgaat tttcagatta ataaatataa 300
 acacatgctg tcagacttaa caaagggta attactgtga aaagtgggtg catgtaagtt 360
 gaccatcatc ttatatactta aatacaata taagttgggc att 403

<210> 35415
 <211> 464
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35415

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 taaaatctag atagaataaa atctggataa gataaaattt gataaaataa agttattatt 180
 attattatta ttattattat tattattatt attattatta ttattagtta gacaagccgg 240
 cttgtcaagc ttaacaaact tnttttatgg ttgagcttg gcctttatat ctaataaggc 300
 tgtttaaaaa gcttgagctt gacctttata gtaacaagc caagccgaac cgagccttac 360
 ataggccgag ttgaaagccc tcgacnagct gttcagctca ttaccactcc taattataag 420
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<210> 35416
 <211> 178
 <212> DNA
 <213> Glycine max

 <400> 35416

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 ttgccacaaa ccaagctaga ccaatcccta cccaacccgg gcatagtcag tcagtgag 178

<210> 35417
 <211> 290
 <212> DNA
 <213> Glycine max

<400> 35417

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 ttcttggcgt gcaaggcata acattgagct cgctctctc tttgatcttt gactctatga 120
 tgaagcttct tcacataatc ctggctgagc ttgaccttat gtacgcgttc atgatagaaa 180
 cattacgcat agcctttaga tcacgacgag cctacggtgt ctgtccataa cctgcattag 240
 actgataact attaggttgg ctctgaacac cattatagag ccaaccacca 290

<210> 35418
 <211> 152
 <212> DNA
 <213> Glycine max

<400> 35418

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 cacatttctt tccttctctt catttctatt gc 152

<210> 35419
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 35419

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 aagattccta aagaagctag agcttagcta cacatactc tctaataagct aagcttacct 180
 cattgagatg agaagctaga gcttagctac acaccctat aatagetaag ctcaccccat 240

Figure 1. The effect of the concentration of the *Agaricus bisporus* spores on the growth of *Agaricus bisporus* on the substrate. The concentration of the spores was 10⁴, 10⁵, 10⁶, 10⁷, 10⁸, 10⁹, 10¹⁰, 10¹¹, 10¹², 10¹³, 10¹⁴, 10¹⁵, 10¹⁶, 10¹⁷, 10¹⁸, 10¹⁹, 10²⁰, 10²¹, 10²², 10²³, 10²⁴, 10²⁵, 10²⁶, 10²⁷, 10²⁸, 10²⁹, 10³⁰, 10³¹, 10³², 10³³, 10³⁴, 10³⁵, 10³⁶, 10³⁷, 10³⁸, 10³⁹, 10⁴⁰, 10⁴¹, 10⁴², 10⁴³, 10⁴⁴, 10⁴⁵, 10⁴⁶, 10⁴⁷, 10⁴⁸, 10⁴⁹, 10⁵⁰, 10⁵¹, 10⁵², 10⁵³, 10⁵⁴, 10⁵⁵, 10⁵⁶, 10⁵⁷, 10⁵⁸, 10⁵⁹, 10⁶⁰, 10⁶¹, 10⁶², 10⁶³, 10⁶⁴, 10⁶⁵, 10⁶⁶, 10⁶⁷, 10⁶⁸, 10⁶⁹, 10⁷⁰, 10⁷¹, 10⁷², 10⁷³, 10⁷⁴, 10⁷⁵, 10⁷⁶, 10⁷⁷, 10⁷⁸, 10⁷⁹, 10⁸⁰, 10⁸¹, 10⁸², 10⁸³, 10⁸⁴, 10⁸⁵, 10⁸⁶, 10⁸⁷, 10⁸⁸, 10⁸⁹, 10⁹⁰, 10⁹¹, 10⁹², 10⁹³, 10⁹⁴, 10⁹⁵, 10⁹⁶, 10⁹⁷, 10⁹⁸, 10⁹⁹, 10¹⁰⁰, 10¹⁰¹, 10¹⁰², 10¹⁰³, 10¹⁰⁴, 10¹⁰⁵, 10¹⁰⁶, 10¹⁰⁷, 10¹⁰⁸, 10¹⁰⁹, 10¹¹⁰, 10¹¹¹, 10¹¹², 10¹¹³, 10¹¹⁴, 10¹¹⁵, 10¹¹⁶, 10¹¹⁷, 10¹¹⁸, 10¹¹⁹, 10¹²⁰, 10¹²¹, 10¹²², 10¹²³, 10¹²⁴, 10¹²⁵, 10¹²⁶, 10¹²⁷, 10¹²⁸, 10¹²⁹, 10¹³⁰, 10¹³¹, 10¹³², 10¹³³, 10¹³⁴, 10¹³⁵, 10¹³⁶, 10¹³⁷, 10¹³⁸, 10¹³⁹, 10¹⁴⁰, 10¹⁴¹, 10¹⁴², 10¹⁴³, 10¹⁴⁴, 10¹⁴⁵, 10¹⁴⁶, 10¹⁴⁷, 10¹⁴⁸, 10¹⁴⁹, 10¹⁵⁰, 10¹⁵¹, 10¹⁵², 10¹⁵³, 10¹⁵⁴, 10¹⁵⁵, 10¹⁵⁶, 10¹⁵⁷, 10¹⁵⁸, 10¹⁵⁹, 10¹⁶⁰, 10¹⁶¹, 10¹⁶², 10¹⁶³, 10¹⁶⁴, 10¹⁶⁵, 10¹⁶⁶, 10¹⁶⁷, 10¹⁶⁸, 10¹⁶⁹, 10¹⁷⁰, 10¹⁷¹, 10¹⁷², 10¹⁷³, 10¹⁷⁴, 10¹⁷⁵, 10¹⁷⁶, 10¹⁷⁷, 10¹⁷⁸, 10¹⁷⁹, 10¹⁸⁰, 10¹⁸¹, 10¹⁸², 10¹⁸³, 10¹⁸⁴, 10¹⁸⁵, 10¹⁸⁶, 10¹⁸⁷, 10¹⁸⁸, 10¹⁸⁹, 10¹⁹⁰, 10¹⁹¹, 10¹⁹², 10¹⁹³, 10¹⁹⁴, 10¹⁹⁵, 10¹⁹⁶, 10¹⁹⁷, 10¹⁹⁸, 10¹⁹⁹, 10²⁰⁰, 10²⁰¹, 10²⁰², 10²⁰³, 10²⁰⁴, 10²⁰⁵, 10²⁰⁶, 10²⁰⁷, 10²⁰⁸, 10²⁰⁹, 10²¹⁰, 10²¹¹, 10²¹², 10²¹³, 10²¹⁴, 10²¹⁵, 10²¹⁶, 10²¹⁷, 10²¹⁸, 10²¹⁹, 10²²⁰, 10²²¹, 10²²², 10²²³, 10²²⁴, 10²²⁵, 10²²⁶, 10²²⁷, 10²²⁸, 10²²⁹, 10²³⁰, 10²³¹, 10²³², 10²³³, 10²³⁴, 10²³⁵, 10²³⁶, 10²³⁷, 10²³⁸, 10²³⁹, 10²⁴⁰, 10²⁴¹, 10²⁴², 10²⁴³, 10²⁴⁴, 10²⁴⁵, 10²⁴⁶, 10²⁴⁷, 10²⁴⁸, 10²⁴⁹, 10²⁵⁰, 10²⁵¹, 10²⁵², 10²⁵³, 10²⁵⁴, 10²⁵⁵, 10²⁵⁶, 10²⁵⁷, 10²⁵⁸, 10²⁵⁹, 10²⁶⁰, 10²⁶¹, 10²⁶², 10²⁶³, 10²⁶⁴, 10²⁶⁵, 10²⁶⁶, 10²⁶⁷, 10²⁶⁸, 10²⁶⁹, 10²⁷⁰, 10²⁷¹, 10²⁷², 10²⁷³, 10²⁷⁴, 10²⁷⁵, 10²⁷⁶, 10²⁷⁷, 10²⁷⁸, 10²⁷⁹, 10²⁸⁰, 10²⁸¹, 10²⁸², 10²⁸³, 10²⁸⁴, 10²⁸⁵, 10²⁸⁶, 10²⁸⁷, 10²⁸⁸, 10²⁸⁹, 10²⁹⁰, 10²⁹¹, 10²⁹², 10²⁹³, 10²⁹⁴, 10²⁹⁵, 10²⁹⁶, 10²⁹⁷, 10²⁹⁸, 10²⁹⁹, 10³⁰⁰, 10³⁰¹, 10³⁰², 10³⁰³, 10³⁰⁴, 10³⁰⁵, 10³⁰⁶, 10³⁰⁷, 10³⁰⁸, 10³⁰⁹, 10³¹⁰, 10³¹¹, 10³¹², 10³¹³, 10³¹⁴, 10³¹⁵, 10³¹⁶, 10³¹⁷, 10³¹⁸, 10³¹⁹, 10³²⁰, 10³²¹, 10³²², 10³²³, 10³²⁴, 10³²⁵, 10³²⁶, 10³²⁷, 10³²⁸, 10³²⁹, 10³³⁰, 10³³¹, 10³³², 10³³³, 10³³⁴, 10³³⁵, 10³³⁶, 10³³⁷, 10³³⁸, 10³³⁹, 10³⁴⁰, 10³⁴¹, 10³⁴², 10³⁴³, 10³⁴⁴, 10³⁴⁵, 10³⁴⁶, 10³⁴⁷, 10³⁴⁸, 10<

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tatctactcg	gatgtccgat	tgagtctcat	aatatatcga	cacgctcgaa	attgaatgtc	180
gaagctctaa	gcctattcaa	acgacaataa	cgttctactc	ggatgttcca	ttcagtgacg	240
taatatatcg	ggacgctcga	aattgaatgt	tgaacctttg	agccaactca	tacgacaata	300
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<210> 35422
 <211> 507
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35422

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 acattcaact ttgagcctct cgatatatta cgggactcaa tcagacatcc gagtaaaaag 180
 ttattgccgt ttgaatttgc tcagagggtc aacattcaat ttcgagcgtc tcgatatatt 240
 acgggactca atcagacatc cgagtaaaaa gttattgtct tttgagttgg ctacagagggt 300
 caacattcaa tttcgagcgt cccgatatat tacgtcactg aatcggacat ccgagtaaaa 360
 agttattgtc atttgaattg gctctgagct tgaacattat attacgagcg tctcgatata 420
 ttacgggact caatcagaca ttcgagataa aagtattgtc gttgaattgg atataagaca 480
 acattcaatt cgagcgtctg atatata 507

<210> 35423
 <211> 424
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35423

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 ctctctttat tttattttat caaaatgggt gggattaggt ggaaaatccc attttcgtag 180
 gccacatgt gtttttctaa tgggagttga taatgggtccc tactaaaatt gctattgggtc 240
 cttacaaaac tntaaaattt gagggaaaagg ccaatttacc ctctattcag aactccacc 300
 cctccttccc ccttcttctt actattgctt atgttcttct caaccccatg ttaaataatac 360
 aatggaaata caattctatt gtaaacttcg ttaaaaaatt aatacacaac gcanacatga 420
 tttt 424

<210> 35424
 <211> 482

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35424

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 agaccgaagg acgaaccaag aacagatgaa gaacgacgga aaatcttcac aaaattgctc 180
 acagaaactg tagacaaagg atcaagctga aagttttgat gatgccaaag gattacatga 240
 atcacatgct tctcaaagat ttactcaaga caaagcaatt agagatattc aagatggatg 300
 atcaagacag tctatagagt cttagaaagg gtatattaaa taggaaggga attccaattg 360
 aagtagcaca aggtttggcc aagaattnta agttanaaag tctttctcaa canatntact 420
 ctctgngtaa tcgataccag aggatgtaat cgatttacca gtggcanaac tgatttacia 480
 ca 482

<210> 35425
 <211> 423
 <212> DNA
 <213> Glycine max
 <400> 35425

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 taagcaatct acggtgagct tatccagcga atcaaaacag gaacaagaac atgtaaaaaa 120
 taaagttgaa aatcagggtg ctggtaatat tccaagatac ttgaatcttg aaccatcact 180
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 cggcaaattt tctgcttctt ctgtttcctt tttaaagaac atgactgata tgccaaatct 300
 taatactctt cgctatgtgt aggatcattt gcgactgtgt atcgtgctga atggcatgga 360
 tcagtaagtt ttgaattagt tcttctttgc tgaattctat gcatgtacia gtatcatgaat 420
 att 423

<210> 35426
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 35426

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aattttttta gaacaaaaac atattttaatc gtataaatta ttttaaaaaa cttaaaaaatc 180
atcaagacca taataaaaaa tttaaaatta catttaattc tatttttaaaa aaatatatat 240
gtttaagcct tatttaagtt tttgccacc aaagaaaaat gttaatgtga gtnttatcta 300
tcatacaattt agccctctat tgttgaaacc aacgatgtta attttatgat tgaaacaatg 360
gtcttgcttg aactaatta agaaattaan agagatacaa ttatattaaa aattatgtga 420
gagcaatggt ataataatcg attcagttc 449

<210> 35427
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35427

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ccaagtgtc aggaggctct tctttttgga cttgaagaat tacatcttct tatctgttgc 300
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attggaattt tctctttctt gtggaaggat cttttggaca attc 404

<210> 35428
<211> 487
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35428

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ctcaaccaat tcttactcat tcaccgatat tcaagcatca cgttcttgcg atggttagcaa 240
 tttctacaat cacctatact ccagccacta tgtcaatgat acgatccttc tctatcaata 300
 catttctcta aaattctttg aacagttcaa caataataac tttgcccttg ttgaagaagt 360
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<210> 35431
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
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 atatgtagtc ttaccctcac aagtgggaaa ctgtttccat gatttgaacc agtgacctcc 180
 aggtcacaag gcagcaacct gattgtttgtg ccaagactca ctctcataga actccaaatt 240
 aagaagtctg aacataccat atgattgatg aaagaaagga accaaaagta cataaatcca 300
 aggaacaaag ctttaagagtt aagaatttta tgcaactagg taacaataat caattntaat 360
 atgttntatc attaaaatta taattattaa tccaataaat taccaatcaa taattactta 420
 attc 424

<210> 35432
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35432

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 tccttanggg attaaattga ggcttatttt gggatgttta ttgtattgta atttttcatg 180
 tatgattata attttgagat tgttatattg ggatcatgaa attgtgattg aaattatgtg 240
 taattgataa attgcatata tgatgaatta ttagataaca tgttgctttg agatcataac 300

attgttattg agactgagta ttagttcaaa gtgttacatg tgtaatttg tgagatacta 360
cgttacatgt gatggttgat tttgacatga tgagatgt 398

<210> 35433
<211> 424
<212> DNA
<213> Glycine max

<400> 35433

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aaaaagactt tttaacttaa aattcttggc caaacctttt gctactgcaa ttggaattcc 240
cttctatatt aatataccct ctctaagact ctagagactg tcttgatcat ccatcttgaa 300
tatctttaat tcctttgtct tgaatacagc tttgagacgc atgtgaaaac tatggcatta 360
tcaaaacatt cagcttcac ctttgtctac aatctccctc cggatcgatg accatccaca 420
atgt 424

<210> 35434
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35434

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gagagatacc aaacgaactt catggccttg agagtctaca ggattttcat atattcaaca 240
atcacttgag cggtttgata ccatcttctg tagggaattg gaccaatctg agagttgttg 300
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ttacaacact taac 374

<210> 35435
<211> 414

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
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 ttgccccaaa ccaaacttga ccaatcccg cccaaccgg gcatagtcgg tcagtgagaa 180
 cctgtgatgt acctaagcat gcgagtcct gtctgtcaac agataaaagg acaaagacc 240
 acctagcaag gaggcttgtg gtaattggcc agctgtgaaa cttgactgat aatgtgagat 300
 atggtctctg gtaatcgatt accaaggggtg ggtaatcgat tacaatgctt aaaaatgaag 360
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<210> 35436
 <211> 233
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35436

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 cataacttgtt actcggacgt gcgaatcatg ggcataatat atccagacgc ttgaaattga 180
 acaacgcgaa ctncgagaa gttcaaactg gcataacttt ttactatgag gtc 233

<210> 35437
 <211> 367
 <212> DNA
 <213> Glycine max

 <400> 35437

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 ccaagccctt actttcgagg ggcagctccc accttatgac gactatcccc ggcaagacga 120
 tgaggaagga gatacccatc tcgggtccct gctccacctc aaagatctgt ccccccata 180
 actaccccaa ccaaacatag tccgcatat cccgacttca cccacactcg taaaagaatc 240
 tgtttccttc gtggaagata aaggaaagat tgacgtgctt gaagagaggt tgagagcagt 300

ccagggcctc ggcaattacc cattctcgga tctagcggac ttatgtctcg tacccaatat 360
cgtcatt 367

<210>	35438
<211>	397
<212>	DNA
<213>	Glycine max
<400>	35438

<400> 35440

cttcactaac tcagaataga caggtaactg tagagacatg aatgttatat gattggaatt 60

tcaaagtctt ggaagcattc aacattctca tttgagaaga actccatata tatgaatatt 120

gggtctacaa tggaacgaga ggaatagagg tttgtgtacc atatacgctg ttctctttat 180

gagaataatg acccataggg attgcaggga ggaattggag cttcctatga ccagagaatgc 240

cgatgactcc gactcgaagt tgctttccgc catttgaaga gttttttcgg gatttctatc 300

ggttctaatt atagagatcg atgatagatg aacgttgtgc tttgcggtga gtgatttcga 360

caagaatt 368

<210> 35441

<211> 389

<212> DNA

<213> Glycine max

<400> 35441

agcttttatct agataagtat gatcagggtt tttcaciaaac tgagtagcac atggattttt 60

ctcaaaacat gtttaccaaa gagttttact ctctggtaat cgattatcag attattgtaa 120

tcgattacca gcatccaaat ggatttgaaa aagctttcaa actgaattta caacgttcca 180

attaatttca aaaagctgta atcgattaca atcttttggg aatctattac tagtgccatt 240

gaacgttgaa attcaaattt atatgtgaag agtcacatcc tttcttataa aagccttggtg 300

taatcaatta cactaatttg ataactgat taccagtgat tgttactgaa taaatcacia 360

gatgtaactc ttccaaaggg tttgacttt 389

<210> 35442

<211> 592

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35442

acctcccgtc ctctcgccat atatagaata agagagttgg cataattgtg tatctccnn 60

ccccaccccg cgagcngtng atagtgcata ctactacnac nganctatan aaactcagct 120

tgcaagttg ttggcttcta tacctcgaaa cttgtgctat ttctctttt cattctcttc 180

ttcctgtgcg taaaagaatt cgccaaagac taaccgcctg aattcttttg tgtctccett 240
 ctcccttgtc aaagaattca aaacgacaca ttctgagaat tctcttgatt cgctcctttc 300
 ccatatacgc atgatctcaa gggactaatc gcctgagaat tcttttgtat tctcatgcac 360
 caagatgcaa aggtataacc gcctgagaac tttgcttata acattgcagg gacatccttt 420
 gtggtacaag tagagcgcac atcttcttgg gtatgactga gaacaatata cactacatcc 480
 tcttgggatac atctctatcg gaatgtcctt ccactagatg tccaatagaa catgtatgga 540
 cactccttgg cctccttttt gaacagattc tcaagtagca aaaatactac tc 592

<210> 35443
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 35443
 taaatatatt tacatgtatc agatatatat caaagtatac aaatacatat atatatatat 60
 atatatatat atatatatat atatatatata taacgataat aataaacaca tcatgagata 120
 aagaattata tatataacta cataaaagta gttaaacata ttatagacat tagatatata 180
 tatatatata tataaacata gacttatata tatatatata tatgtatata tataatatag 240
 ataacaacca caaggttata tacatatatg ttaaatgcat tctaaagaag atatgaaaat 300
 cctacagtga gagacaatat cttgattttg agcgcgtgag catcatcacg gagaattaat 360
 ataatttttt aagagttatt tcaagaggta aatacaattt gagagaatct atctgtggca 420
 gcg 423

<210> 35444
 <211> 370
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35444

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 gaggaagag gtatgcctat gttgttgtgg atgatttctc cagatttacc tngntaaact 120
 ttatcagaga gatatcacat accttctgag tattcaaaga gttgagtcta agacttcaaa 180
 gagagaaaga ctgtgtcatc atgagaatca tgagtgaacca tggtagagaa tttgataaca 240

ataataaac

489

<210> 35447
<211> 403
<212> DNA
<213> Glycine max

<400> 35447

agcttctagt atttatagtc attcttcttc aatctaagag tctgctgtct ctaaattggat 60
ataatcattc acttgagttt gggtttgaat attgtggtcg ttggagaatt taatgttggt 120
gttaaataca catctttctt catgctagaa aaccactctt tttagcttcc ttgaagaaca 180
cttcaatagg aatcacttg ctcttcatca aagtaggtct atcacaacaa gatgcatctt 240
ttgatgttct tttgaaactc caaagtgggtg aacttcattt attcttcatg agattcgaca 300
gaccttagga gaatgtcttg tcatacaatt cttataaaac aaatcttaga cactaactat 360
tatatgaaat cttatatgct atattagatc ataatatata tat 403

<210> 35448
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35448

tataccanat attatatata ttagtggtat actcgatatca atcaaactta gaattgaagc 60
tagtgcagcc aaataatatg tcatgtttgc cacagaagtt ctattcatgg gcttttaaatt 120
aggtattaga aatagtgaca aattgtcttc tatctctgaa taaaatcatt tgacatttag 180
tcatttagat tatgtgtcta ttattccatg ctccaataga tcaaaagtca aagcactggt 240
ctcttctttt ataatctaaa ctacacttct ctctcaaact tccatcagta tgcatgcgac 300
ttgagggtca ttgtcatttt atgaaattgc cgctgagttt cacactgact aatatgaaga 360
cttggtaaat aacatgaaag ttatagtgac caacgtctcg atgatgtcta agacgattct 420
gaggacgaac atg 433

<210> 35449
<211> 426
<212> DNA

<213> Glycine max
 <223> unsure at all n locations
 <400> 35449

agcttgcaaa gttagaaata tcttggttga ttccgatggt gtgaagtcaa ggaaagattt 60
 ttctattgcc atgatgaggt catctatagt tttaggagcc tctttgtggt gtaatgactg 120
 aatggcatta aagaagccaa gatctaagac attaaaatca agcaagtttg ggggttgaga 180
 aaccaatcga atgtcaaaac cgccttcact agcagcttaa tgggaagtcgt tgtcatcttc 240
 atcaatgtga catggagcat tgtcttggtg tatgaaaata gtctctcttc tatecnctat 300
 tggccatttt gctttgattg cagacaacac atgatgaata agaanaatggt tgcttacttg 360
 tttaattatt gaagatattg gttntgttcc atagtccttg tatctcttgt tgcactcctt 420
 ctcttt 426

<210> 35450
 <211> 471
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35450

ctgaaagtgt tggtttcacc ttctcgctaa gccaatccgc tggcttagtg agcgtccgct 60
 aagtgaaca ctcatgggt aagcgcaagg aagaatctgg aagaagatga gctatacagg 120
 ttcgctaagc gcaccatttc atctcactaa gtgcaccact tcagtccttc cgtaagcga 180
 gaaaggcacg cgctaagccg aaattcacta atgtgacta agcgggtccag aattgtgcta 240
 agcacacgag cacgaacaag gccacttatt taagcctgaa atcagatttt aaagggggag 300
 tttgaactgg gattcagaga ttntcatgtc ttgagattct agagagagaa aggtccaagt 360
 tccagagagt tntgagagat tatgttggtg gaagaatggc agacaccata gctggaagca 420
 cgagccgatt tgagagctcg agatgagttt gtgagtgatt gtgagttcct a 471

<210> 35451
 <211> 376
 <212> DNA
 <213> Glycine max
 <400> 35451

agtcttttga ttcaatttcg agcgtgtcga catattacgg gactctatca gacatccgag 60
 taaaaagtta ttgtcgtttg aatttggtca gagcttcgat aatctatctc gagcgctcg 120
 atatattacg ggactcaatc atacatccga gtaaaacgct attgtcgttt gaattcgctc 180
 agagcttcgg tctttaatat tgagcgtctc gacatatgtc tggacttata tccacttcgg 240
 agtaaaaagc tatttggtt tgaatttggc cagaacttcc ggattcaaatt tcgagcggca 300
 cgatttatta cgggacttaa tctcacatcc gaatcaaaat tattgacgtc tgatttgcca 360
 gaacttcggt attcat 376

<210> 35452
 <211> 405
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35452

ntgagcaaatt tcaaacgaca ataaagtttt actcggatgt ccgattgagt ctcgtaatat 60
 atcgagaagc tcgaaatgga ataccaaagc tctgagcaaa ttcaaacgac aataactttt 120
 tactcggatg tcttattgag tcccataatt tatcggaacg ctcgaaatag aataccgaag 180
 ctttgagcaa attcaaacga caataacctt tttactcgga agtcggattg agtcccgtta 240
 tatatccaga cgctcgaaat tgaatgttga agctctgagc aaattcaaac gacaataacc 300
 tttataactca tatgtcggat agagtcccgat aatatatcga gacgctcgaa atggaatacc 360
 gaagctctga gcaaattcac acgacaataa ctttatactc ggatg 405

<210> 35453
 <211> 357
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35453

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 cataagttaa tgattaaaaa aaatgttggt tagcatgacc tattaggtca tcccatgtca 120
 actataatgt ggaaaatatt taaaaattca tgtggacatc catggaagag ccagaagatt 180
 cttcagtcca atgatttctc atgtactatt tattctcaaa ggaagttggt aattacacta 240

00421405-10459

tcaccaagaa aaattggaaa tgagtctatt ttatTTTTtag aacggatata atgtgatatt 300
 tgtggatcaa tatattcacc atatggatca tttagatatt tcatgatgca tcaacta 357

<210> 35454
 <211> 459
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35454

attgagtccg ataattcaga atcttcatct ggcaattgtg ttttggaggc atggaagtta 60
 ccaggagtgg ctccgtttgc tttctgtctc tttttctcga agctcgtggc ttacactntt 120
 ctgtactggg tgccttctta cataaggcac acaggtaatc attattatta tattacatga 180
 aaaattatga tatatataga gttgcattgc cttttatcta acatcagcat gttattcata 240
 tgcgaagaat ttattactag tgtcttcata ttcttgatat attgtctcaa gggtttgtca 300
 ctacgaattt ggagtgcttg tttggtagga ctggtatgtg atgtgtcttt aggcatat 360
 gaatctgtgt gacaggtatt gcatggcggg ttattagcat gtatggtgca atttgaatct 420
 ggagaaataa ttgtatattt tcacaagctc tctcagcta 459

<210> 35455
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35455

agcttcttca catagtccgc ctttgcttga ctttctttat gcttaanaac agaaacatta 60
 ggcataggca aaagatcaag aggagttagt gggttaaaac cataaacaac ttcaaaagga 120
 gaacaattag tgggtgctatg aacagctcta ttgtaagcaa attcaacatg gggtaaacia 180
 gcttcccaag tttttaagtt ctctctcaaa actgtcctaa gcaaagttcc caaagtccta 240
 ttaacaactt ccgtttgccc atcggtttgt gggtgacaag tgagtgaaaa taacaattta 300
 ntgccaact tgctccacaa agacctcaa aaatggctta cgaacttaga gtccttatca 360
 ctaacaatgc tcttggcaa accatggagt ctcaaatct tcttgaaaaa caaatcagcc 420
 acatgggaa 429

<210> 35456
 <211> 449
 <212> DNA
 <213> Glycine max

<400> 35456

ctcatgagag agtcaaagat caaactgaga ggagatataa aagctatgtc tttctagcca 60
 acaaagggag aaagaaggtt gtcttcgaac ccggagattg ggtttgggtg cacatgagaa 120
 aagaaaggtt tccggaacaa acgaaatcaa agcttctacc aaggggagat ggaccatttc 180
 aagtgttga aagaatcaat gacaatgctt acaaagttga gctgcccggg gagtataatg 240
 ttagttccac cttcaatgtc tctgatttat ctctttttga tgcagatgga gaatccgatt 300
 tgaggacaaa ttctttctcaa gagggagaga atgatgacga catgttcaag agcaatggca 360
 aggatccact tgaaggactt ggaggaccta tgacaatggc taaagcaagg aaagcaagga 420
 agctcttcac aagtgtgtgc atactattt 449

<210> 35457
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 35457

agctttatgg tatttatcgg gatgtaaggc gggagatcga tctcccgatt catatcaaac 60
 cccatgtgtg ccaaattacc ttccaagtaa tggacttaaa tcctacctac aactgcttat 120
 taggccggcc ttggattcat tctgttgggg tggttccgct aacactgcac cagaagctaa 180
 aatttgccgc ggaggacat ttgattatag ctccgagaga ataagacata cttgctagtt 240
 gtccatcttc aatgccttat gtagaggctg cagaggaatc attggaaaca tcctttgaag 300
 cattagaagt tgtgagcaat gcttacgtag agtctcctcc actgcagccg tgctcatcta 360
 gtgcactttg atagttgctc aagtgatgtt agggcaccga tattat 406

<210> 35458
 <211> 498
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35458

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 taatcttggga actcantgtt cttgctgctt ataacctcaa actgactgat ggtgcatgta 120
 atcaccatcg tttctattag attcttgctc aaactgtgtc attattccac caaggaggac 180
 ctgattgtgc cctagccttt accagttacc accacttggc aacaaccctt caatactcct 240
 ttagtgactt tgagcactca ttacgatcct gacttcctcg acttcgagct gtaagtgttg 300
 gtccatcggc agggatcatc actcgttgat acttaatggc aagactggca ctatcataaa 360
 tacacctatc accttgtgca caagtgactt tgcacattcc gcaagctgag atgacgacct 420
 tatectgcat tagataggat catctctggc ccttagacta atctacgcgc gcatactctt 480
 aattttccgc aaaacgac 498

<210> 35459
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35459

agctttacta attaataatg tactcttcta aggccttttac tatgttggtta agtaaataaa 60
 gaatagaaaa gaaacttaac caaaagtaaa agcgggaatt aaagtgcata gtggaaatta 120
 aaagagttgg gaagaaggag acaaacacac aagagttttt atactgggtc agcaacaacc 180
 cgtgcctaca tccagttccc aagtgcctg cggtccttga gatttctttt caaccttgta 240
 aaaatccttt tacaagcaaa gatccacaag ggatgtaccc tcccttggtc tctttgaaca 300
 acctagtggg tgtaccctcc actagaactg atccacaaga gatgtaccct ctcttggtct 360
 cagtcaacaa cccaagtaga tgtaccctct acttggaacca canaggatat accctccaat 420
 gt 422

<210> 35460
 <211> 485
 <212> DNA
 <213> Glycine max
 <400> 35460

ctgctctaga cggccaagg tagttatcga acgggtggag tctaccatgc ttggagtgc 60

caatgaaagc accaagttgt tgtgaccctg cacttagcct agaattcgag gttctagggc 120
 ctccacaaga atatgagggg aaaggaaatt gcttgtatta ttcactcccc atcagaatta 180
 cataatctcc tatttataag cttttcatat aaattctaga atgaaataga agatacaatt 240
 ctaacgggtt ctggctttct atgccttgaa ggaaagctag gaatatactg atattgcttc 300
 agagaatcct ttctaacggt ccaggatcct tggagaaatg cttctagatg gtggtgacct 360
 ggctcttgat gcttactatg attattttgc aacataatcc tccaagtatc tcaggttaat 420
 acctcttctc tttccttaca taacttctgc attgtaccct gatgcttctc tgtgcatatc 480
 aaata 485

<210> 35461
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35461

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 gatagacgtc aagaatgtca tcattacatt gaagcatggg tgaaggattc gcaacggcaa 120
 ttgtacttac gagcttactt gaattagtaa gttaaaatta tgtagtacat tctaaaaata 180
 tttgcattat aagtacctaa ttataattgt caactttagg gcacattggc aacttgttgt 240
 tctgtgtcca cgggataata ttggtgtttg gttttgttct ttgtgaaaga agcctgatat 300
 taacatcaaa gttgcaatta acaagtcttt taataattta taattgattt agcgtataac 360
 tattgtacta tgtcaaattg attgtgatgt tatatatgtt tat 403

<210> 35462
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35462

cggccagana caacctatat actattatat atatttcctt ttgcatatct ataccaataa 60
 ctaanaggga tacctctttt gataaccatc ttttggctc cattttttaa atgattattt 120
 tactcttcaa aacttacatt tttttattca tgtaaccacc catgttatat aaattgttca 180

ttgaagtact tactttatgt aaattgtttg ctttcttcaa gacacaataa ctacctatat 240
 tttcattttt ttatgaatga agccacaaca aatgttctac actgtaattt gtagtaagtt 300
 gtggcacaac aaggtagaat ggcagcggca taggcaaact gtgacagtgc ggagatggac 360
 aacgcatagt cctattgtag gagcctcaag gagaattacg agaatatgtg aataaatatt 420
 gtctttacag tt 432

<210> 35463
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35463

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 tctcacattn tttctatcca acaacccaag agtccgatgg catgcggagc caccttacgc 120
 ttatccgcac ctctcattc ggagacccca agttcgatga cacgcagaga ccaatgtggt 180
 aatctgcacc ctttctcgag atgtcagcgt cttccggtcg agacaatttt agtctcacat 240
 ttttgctatc tggcgacctt agagtccggt ggcttgcaga gaaaccttac ggttatttagc 300
 acctcgtcat tccggagacc cgagtctaata gacacgtaga gaccaatgtg gtcactctgca 360
 ctctttccgg agctgtcagc atctttcggc cgagacta 398

<210> 35464
 <211> 390
 <212> DNA
 <213> Glycine max
 <400> 35464

cctcattgtc tctcacagac tttagaattg ggagcaaata caatccttgt gtccggactc 60
 tcagtcactt atggtagccg ccgatgatcc cgttactgct tcccctaagc tctctgtgct 120
 ttcttcacac cgcatacct gccttgcgaa ctcttggag tacctttgca tttgggtcac 180
 tgaaacctcg tgtcatgaaa ggcgtgatgc tttcgtctaa tggcgctcct ctcatggggt 240
 agccaagctg tctcatggcg aggacggtat tataattaat acaacctctt gttccatcaa 300
 gggaacattt ggacatcctt cgcataga tagaatcctg aatcttcctt ccttctagcg 360
 agggaaccaa ataacaaacg cctctctatg 390

100-443887-100

<210>	35466
<211>	242
<212>	DNA
<213>	Glycine max
<400>	35466

<210>	35467
<211>	426
<212>	DNA
<213>	Glycine max

[illegible]

<210>	35468
<211>	478
<212>	DNA
<213>	Glycine max

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ccaatgttga	tacagaataa	cagcgatact	cattntaata	tacagagagg	gacatgctat	120
gatacggcaa	tgatataaga	gaatatggca	aattgcaact	tataaattaa	tttaaaatta	180
agtttaatca	tcatgcactc	acaagtttaa	tgggtcaatca	atcataaatc	tttattaata	240
tataactttt	aagggtataat	ctatttttctc	tttaaaatta	at ttattttcc	tttttaaaaa	300
taaattagaa	taaaagttca	gattataaga	gaattcatat	tctagaaatg	aacataagtc	360
aatatataca	taaaaatggt	aaaacttata	taattagtat	gagattctaa	tttatatttg	420
gatacaagtt	aanaaagtat	acgtagaaaa	ttatgacaat	aacataacag	tatccata	478

<400> 35469

14776

cttattttta agggcaattc cccccccccc ccaaccaccc tacagatctg tattccaagc 120
 ctctttgatc atagagtggg accctttatg attaagccac cagtccacaa cccgaaaagg 180
 cttaggggccc cagtccacca tccttgtctt caaaatgatt ggacaatgat cagaataatc 240
 tctttgaagg acatgttggg aagtatcagg ccacaaggat aaccactgat cagacaccaa 300
 gaatctgtcc agcctactct tggcactgcc attgagccta aaccaagtaa aatagctgcc 360
 aaagcatcta atatcatgga gtcctatctt tgatatccag tcattgaaat ctgaggtatc 420
 tga 423

<210> 35470
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35470

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 aaaattgtgg gagacactac gtaaaggaat gaaatggtcg aagcatagca gcatacacac 120
 acagttttgg gtgttcaaaa aaataataat aataataata aaaactgtaa gtataaataa 180
 aagtgtataa aagtgtgtgt gttgcaaadc aatgaaatga aagttgagtg cctaaaaagg 240
 ggaaagtagt gggttgggaa ttaataaaaag taaaggctga tgtatggatg aatgctcttc 300
 tagaatttaa gcttttgaat cctacaanaa ccatgatttg ttgatagccc aacctcatta 360
 caagcctaga aagcccttcg gattcaattt gcgtatctaa ttatgtatgg catgagatga 420
 aat 423

<210> 35471
 <211> 240
 <212> DNA
 <213> Glycine max
 <400> 35471

agcttgaatc ggacctcagt gtaaaaagtt atgaccattg aaatttctgc agagcatccg 60
 ttgttcattt tccagcgtct ctatatgtga tgcaccttaa tcggacctct gcgtgaatag 120
 ttatgaccat gtgaatttct cgagagcttg cgttgtgcat ttacgagcgg cgctacctat 180
 tacgcgtccg ataccgacat tcaggggaaaa aggtatgacc ttatgaattg cacaagagct 240

<210> 35472
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 35472

ttcgagtgcc tgtatattga tgcgcctgaa tcggacatac gagtgacaag ttatgaccat 60
 ttgaatttct cgagagcttc ctatgtttta ttttgagcgt ctcgatatat tatacgccctg 120
 aatcgaacct cagtgtgaaa agttatgacc atttgaattt ctgtagagca tccgttggtc 180
 attttcgagc gtctctatat gtgatgaacc ttaatcggac ctccgtgtga aaagttatga 240
 ccatttgaat ttctcgagag cttccgttgt tcaatttcga gcgtctcgac atattatgcg 300
 cccgaatcgg acatccgtgg gaaaagctat gaccatttga atttctcgag agcttccggt 360
 gttcaatttc gagcgtctcg acatatgatg cgcccgaatc g 401

<210> 35473
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 35473

agcttggtgt tgctgctcca cagagcccct cggaacttgt ttcagccgtg ctcttcccta 60
 cgagccctct tgggctgttg ttcgaaggct ttggctgttg ctatatttat atctctcaga 120
 tcggcattct cctttcggat tctcagagat gctgatttga acctttcttt gactgtttgg 180
 gcttgctcga gttctgccct aagggcctgc acctcttcgt ctttcttcgg tgcccaact 240
 tcttcccttt tagcggttct catactcagg agccaatcca attcttgac gtgggctttc 300
 aaccacttac cgtagccact gatgggcccc ttgttaccgc cctgacgtc tttgtccctc 360
 ttttgacca cctcccatgc cttgc 385

<210> 35474
 <211> 477
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35474

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 tcccattggt aatggagtggt gttaccatta ttggaaaacc cgcattgcaaa tcttcataga 120
 ggctatagat ttaaacattt gggaagccat agaaataagg ccttgtattc ccaccatggt 180
 tgctggaaat acaacaatag agaagcctaa ggaagattgg agtgaggaag aaagaagact 240
 agtacaatat aacttaaaat ccaaaaacat aattacatat gccctaggaa tgaatgaata 300
 ctttagggta tcaaactata aaaatgcaaa gggatatgtg gataccctac aagtaacaca 360
 tgaaggcaca acanatgtta aaagatctag gataaacaca ttaactcgtg aatatgaact 420
 atntangat aatgcanatg anagtatgca agacatgcan aagaggttca cacacat 477

<210> 35475
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 35475
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 gcacaataag ttttccacat ccacaatgcg cgcataaacc caccatcccc tgttgccac 120
 ctccaactga gctcacgtac tcccacgtag ctcatatcct cgtttctctc aacaccaggt 180
 ccccatcaat cctcccaagc ttccccaaca tcaaagtaat acaacattct cacagcacia 240
 gctatcacag ctaagcaaaa cagggcaaag gcagaaaact ctgccccaaa caccaaccaa 300
 aatcacagct gttcacatac aaatacccca gaaacatttc cttcgttcca attcgttaac 360
 cggtggatcg actcgaaaat attactggaa gtctctagta ctttaagccta ca 412

<210> 35476
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35476

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 aagttgtaac tcggatgtcc gattcaggag cttcacatat cgagatgcac gaaattgaac 120
 aatggaagct cttagagaaat tctaattgtc ataaattctc acacggaggt cctattcagg 180
 cgcttaatat atccagacgc tcgaaattga acaatggaag ctctcgagat attcaaatgg 240

tcataacttt tcaactcggat gtccgattca ggcgtatcac atatccagac gctcgttaatt 300
gattagcgga agctctagag aaattcaaat ggtcataact ttccacacgg aggtcctatt 360
caagcgctta atatatcgag acgctcgaaa ttgaacaacg gaagctctcg agaaacttaa 420
atggccataa gttttaactc ggatgtccga ttcaagcgaa tcatatatca a 471

<210> 35477
<211> 432
<212> DNA
<213> Glycine max

<400> 35477

agcttataga gaataaagat aagggtattg aataagctta taaccatgtc ccaagagatg 60
cattgtggac gactctggag aaaaaaggcg tggcactatt tttttttttg ctcagcaaaa 120
atataatata tatatatata tatatagact agtaccagtg gtactgaaat tacataggaa 180
tagaagtga tccagctatt ccaaaaaatt gagaaagagc tggagacaca aaaatgtgtt 240
acaagaatcc acccacaccc gcccccccta aatacagaat ccttccttca gattggagga 300
ccattgggta aagcgtatag cgaaatcctt gtccattgct ctgttccaag accatagtag 360
gagtaaagca tcgtcgagca gttacaacc atgataagtt cca^dttttgga acaccacctt 420
atttctatgc tg 432

<210> 35478
<211> 629
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35478

cgctctctc cgancgtct acttacatan tactatgtat gtgtagtnat ttacantaat 60
gnacacactg ttatcacacc nncatccctc agencgnngn cctttgatgg tagcaatcca 120
tcngatnncg ngcaannann aacctcgga cctgnctgaa tctatgtctc tattgacgag 180
gttatcta at ttttaggct gaaaagagat tgacgagaga gatgaagaga cgaacacaca 240
ctgtgctatt tggaaagata gtacaatctt ggcacacaat attatgtgca aacagcatgt 300
gcactccata gtccattgat aatacctgat ttatcgatga caatcatggc aaatgcactt 360

ggacctattg atgcacctgc cataaagaat ttccaccttg acatgaatgt caccagcatc 420
 tttatgtatg aaataatata ttaacatact tattctgttt actctgaata tgattcttat 480
 gtattgtggg tgtgcctaaa tctaactcag gatagcatat cgatcgatac tggatgcaag 540
 aatcacacgt caactctctg ttaatgactc ctccgggtcat agcatatgat gtatgcaggc 600
 atcataagag tcacaccttt taatattcn 629

<210> 35479
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35479

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 ctcttttgtt ttgtagggtg caagttgtgt tatatgtggt ggggcacatg attctggcta 120
 ctgcattccc acagaagata caacacatga agtgaactac atggggaacc agccaagacc 180
 aaactttaat gcagggtggat attctggatt ttcacaaggc cagcaatata ataagcaaca 240
 gggacaatgg agaacgcacc ctggtaatca gttcaataaa gactagggtt ggccacctaa 300
 caggccacaa caacaagggc ctagtctcta tgatagaaca acanagctgg aagagactct 360
 tgctcagttc attcaagtat ccatgtccaa tcanaagagc acaaagtcaa ccaactcgaa 420
 gctttaactg aa 432

<210> 35480
 <211> 362
 <212> DNA
 <213> Glycine max

<400> 35480

attctcattt gaagttggag tctctgcata tatctttgac ctcacaggga ctccgatatg 60
 gttacagctt ctaatgttat gagggtttt ctcacacctt ccacatgtat agccagccaa 120
 taatctcttg agcctatgta ctatgagaat gacctcatct gcgaatctac ttctatgcat 180
 ctatgcctta tactatatgg acccaatatg gcgtgcacta gtactggttc aataagatga 240
 caggatgtct tattatgagc tggctctgac gcgtcactta tgacgcatgg cctcaggcat 300
 gacatctttg tgagctagtg gtgctctggc atgtcaagat gtcaccccta catcaaagtt 360

gt

362

<210> 35481
 <211> 370
 <212> DNA
 <213> Glycine max
 <400> 35481

cgaaccgagc tcggacccgg gatccctagg tcgactgcag catgcaactc agctttatta 60
 tcatattcgc tatcactcac ctttcgatgc gggaatatct cacttctctg atgacaatgg 120
 ctttaaggag ttagccact tcttctctga tcagtcttca tcattcttca cccttcttta 180
 tcttcttttg tgataccggt ttcctactag ggactaatga caaacctgtg gcacataatg 240
 ctacggagag attcccat gccagaagga cgcacagcac acagcgtgc tctcctgcgt 300
 acacatcata tatgccactg cgctcatgtc tatcgaaatc cctattgagc tgactacact 360
 actcatgcta 370

<210> 35482
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35482

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 gttttaaaaa ataattaact aattaaatta ttttattcca gtatactatt taaatataaa 120
 aataaagaaa attaattaat taattaaat attttaaaaa taaaagtaat taatttttgt 180
 tatattttta attcttttga aactgtaaaa ttcttagact acaaacacct aagacaaaga 240
 gaaaagacaa ccgacaaatg ctctaagtct tatccctaaa atcactgaat gaacggagtt 300
 gcctgtccat tgttgtttta ttgacttaca actggcatac actcttgcat gtaaaacctc 360
 tattatcatc tctgtaattg gacttaacct ctcagagttc tagtgaatat ntatgcaatg 420
 cttaagatc 429

<210> 35483
 <211> 243
 <212> DNA

tttgtcggca tgctaccttc gttagaccac ctcagaatca tgaacaccca tcattatgga 300
atctgtccag gtccgagatg tttcggttaag aaaccgatca agagctcaca aatgggagtg 360
tatttagcat agcgggtgagt gcatccataa actatcacac tctaatttca 410

<210> 35486
<211> 420
<212> DNA
<213> Glycine max

<400> 35486

agctttccaa tgtcttcaag catcaaatca atacaatggg ctgcacaagg agtccaataa 60
atatgtttcc ttttgtcttc taacaactta cccgctaaaa catagttact cctattatca 120
gttacaactt gaacaacggt ctcttctcca acttcttcca caatagcatc aagcaactca 180
aaaagctttt cacctgtctt cacaaaatca gagccatcaa cagacttcaa aaacattgta 240
ccagcttgag agttaaccaa agaattaatg atgcatcttt gtttccgatc agtccatgct 300
tcgaacataa tagtacaacc atacttgacc cattgctcct tgtagtcttt catcagatct 360
ttagtgcagt caacttcctt cttcacgagt ggaactctga tatcatgaca gtcggaatg 420

<210> 35487
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35487

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ttcatttaac tgtctctggg cttggcggcc acgctcaaca nagtactttc gacacctatt 120
gtacattgat ttgaccaatg ctgttatggg aatggttgcga taatccttca aaccttattg 180
atacattctg agaggttggt tgtcatgtgg ccatatcgac atccttctct atcataagcc 240
atcgtccatt tttcatttga aatgcgatca atccatgttg ctatggctgg actcagttca 300
cgaaattttc taaatttgat caaaatgtct tgcaggagtg acgctgctac attagtatga 360
taaaatttaa gatatctgaa gtaataacg 389

<210> 35488

<211> 425
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35488

 agcttgacca ggaattactt gtatgggttg gatgttgaat tctgggttgtt cctgggtgcgg 60
 agatgatggg acagcgggtg aaccagaagc ggaagtttct tttgggtgagg tagccatgga 120
 aaagcagagc gtttggaatg atttcgtaaa tttcagaagg ctattgggaa atgctggtaa 180
 aaacacgaat gccaagcaga tataaatttg aatgaggaat gtatagggtc gtgtgaagca 240
 acgggtcgaat tttccttggg tcagtagtga acgtgctatt aatgttaagt gattcgtttg 300
 ggcacgttca gattgctgta gttgctataa ttncctctagc acacaaatgc ccagcttgcc 360
 cctcagttnt tcaaactgat ttgcatccaa agcctttgtg aacatatctg ctatttgttc 420
 ctcag 425

<210> 35489
 <211> 443
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35489

 ngacaaacan agctaatcga agcaagcaag aaataaaatc aattattgtc acaaaatcaa 60
 tcgtgcaaaa ggcatttgaa atggtaacat cttttaatat tttatattca ttttcttata 120
 agttatataa taataacgag ttttttattt tgtgattgtt tttatatgat atatgaaagt 180
 ttgggtgaaat ttatataaag gcatcatgca ttagattata ttatttaatt tgtcttttac 240
 tatatttaat tttaatagaa agaagattca aaatatggta aatggccata tgctctggaa 300
 gtttggaagg ccacacacat gagatctaag ggaacttggg gcattccaaa aggagaagaa 360
 atcatggtaa agaanaaatt ctttttanag tcttggtgtc aatattagaa ttaaagacat 420
 taattggatt atgatatcat atc 443

<210> 35490
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 35490

agcttgctgc atctgcta at ggcgatatag cctgaaccgt cattgtcatt ggtgagggag 60
 ctgcttacgt ggacatgtcg tcattgttgt tggcgagacc ggctgagtct ggtgacgtgg 120
 agagagtcgc caatgcttct ggtgatatat gttgcaggag tggttctcgt cactggaaat 180
 ggcgagactg gtgtcggcgg attctctttt cctttaaata ggcagccttt gccttgaaaa 240
 tttgtagtag tcttgataaa agaaagcaca gaggagcgtg tttaatcaag aatttacaag 300
 ccttactttc attatctcta gatagcccag cttttgcctt gaagcttctc attccatcct 360
 tatttatttg aagcaacaat ttatattggt gttcagtcaa taatttatca gtcttgcat 420
 catt 424

<210> 35491

<211> 483

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35491

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 cagagatata tattaagaga catgatacga gtctgattta gttatatcag atttgatttg 120
 tatttatgta gatgagatct tttctatagt gtaattagga tcatatttct agtgccattg 180
 tatctttaga attacctcta ttcattgtatc ctttttacag tttaatcaat ccgaaatata 240
 cataacttctt caattatttc ctccagtctc aaatatacca tgttgagtgt tatcagcaac 300
 aaattttcag tataataaag tattactagc tatttccagt ccagttctat cagaatgtan 360
 aagaagggag ttaagttctt acaacagcaa caacaccatc atatgagtta agcttcacat 420
 ttgtcanaga agacatcaca tcaaattgct ctctgtctct ctctgtcaca atcacctagt 480
 aat 483

<210> 35492

<211> 425

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35492

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cattgtcatc gttttttcgt cattgagggtg ccacttgagc tgccagggtc tccacctttg 120
ggcgtattct ttgaaagatc cgtgccccct tttttttgca catattttgt agttgcatcc 180
tatccaaagc cattatactg aactgccta acgaaggaaa ccattatgtc cttccaatca 240
tgggctcggg aaggttccaa gttagtgtac caggtaacag ctacccccag taagactttc 300
ttggaaggaa tgtatcagca atttctcatc ttttgcgat gccccccatc ttctgacaat 360
acatcttttag atggttctcg gggcaagtag tccccttgta cttgtcanag tccaacacct 420
tgaac 425

<210> 35493
<211> 412
<212> DNA
<213> Glycine max

<400> 35493

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gctacatgta gctgcctcgg taaaaacgct gccagtccta cgtaaccgt tggatcttct 120
cataatttgg tttgcaactt cacaagatac tttaccatga tctgacagtt gggatctttg 180
tgaacatttc tggagtgtgc gcgacgtttt cgttcccgag agcattgtc acttgtgcgt 240
tttgagcctt gtagaccaag tagcttatga ataatgcat ttcttctcct ttctttcttc 300
caaaaccatt ttcagcgttc catgctgttt ctccgtcacc catagccacc agtagccacc 360
acaaaccacc attgttcttc gttgaaaccc cacaccgaga ggaacccttc aa 412

<210> 35494
<211> 407
<212> DNA
<213> Glycine max

<400> 35494

atcttcttca tgtttgacct cctaacatta agttggagtg gacagagatg aagataaagc 60
aattatacat gaccctaaat ggagatgatg gcggatacaa aactttatct tgactgagat 120
taaggatgga gacgaacatg agagtgggga acgacatgca catctctgcc ttgtcccgta 180
gtcatgccta ttcataataa tcacttatat atctttttgt taaataatta tagattttga 240

tatgcttaag acacctttta ctctgttaat tatcttctat ctttaatttca ttgagtggaa 300
 tggggatggg aacaacatac ccacccctgc cttattccgt tgtcatgcct attcacaatg 360
 atcactaata cattgtttta ttttaaataa ttacagactt tgattag 407

<210> 35495
 <211> 472
 <212> DNA
 <213> Glycine max
 <400> 35495

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 cccctttctt tgttttgaag ctctattaca gccttaagtg aaaaaccatg atatcacctt 120
 acccttaagg aatcttggag ctttgggaatt gttttgggaa taagctggga ataagtgtgg 180
 ggggtatggt tcattggaag atatgatttt tggccatgct taatgtttta ttttggccat 240
 gcttgatgta tatatatatt gcctagttct ttctttaatc ttcaattctg tactgttcaa 300
 taaaaaagaa ttcagttgct acaaattctg caatttcgta ctcttcatca aaagaagaag 360
 aagaagaata agacgacgac tataagtgat gttgaataaa taagggttg atatgagaac 420
 ttgatttggg agccttgggt gatttgttga attagagggg ttgggttact ac 472

<210> 35496
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35496

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 ccacgcttan aaagggtcct ctgacccccc tgagcgagta attgaagttt cgctcagtgc 120
 caaacttgcg ctaagcctgg aaggtgacaa atgactcgct gagcgagctg atgatgcact 180
 tagcgcatgc ctgcgtgaca aatttccttc caaattcctc ctatctgcta agcacgttga 240
 tgctcactt atcggtatgac actcgctaaa cacattgagc tcgcttaacg agacatcaac 300
 tttatcattt cttcaaaata actccttttt gcttgagatt gaagagaaac tgacattaat 360
 atcatacaca aagcttctac tgagcacaga taataacaaa gccaaattta tttactattc 420
 tac 423

<210> 35497
 <211> 460
 <212> DNA
 <213> Glycine max

<400> 35497

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 agccaactct ccacatccac agatcacaca taaaccacacc atcctcagtt gccacacctc 120
 actgagctca catactccta cgtagccctt agcctcgttc ctctcaacac tgagtcccca 180
 tcagatctct ccaagcttcc acaacatcca agcaattcaa catcccaaac atcatgaact 240
 atcataacca ttgaaaacag ggcagaggca gataactctg cccaacacaa accaatatca 300
 caacttttct cacttaacaa ccccagtaac attctcctcg ttccaattcg ttaaccgttg 360
 gatcgactcg aagatattac tggaagtctc tagcacataa gtctacattg tgaccgatgg 420
 gatctgctat atgacgtcca gaacacaatc tgtactactc 460

<210> 35498
 <211> 342
 <212> DNA
 <213> Glycine max

<400> 35498

agcttccttg tggcttctct gagaagctat ctcaagaagc ttctttgaga agctatatac 60
 ttatctagcc acacccttct attaactaaa ttaacctgct tgaaaataat tgcggtatgaa 120
 aaataacata acagataatc caacatctaa catagttact aatatatata tatatatata 180
 tatcacggcg ttacacgccc atgtggtgct atcggaggaa cctctaattc tcaaaactgg 240
 tcactatttc tctccaatac cacaagcttg ttccatcaaa cgcacggaat cgaattcgcg 300
 cgtggtctac tattgagcga cctgaatcaa gagtatatat at 342

<210> 35499
 <211> 345
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35499

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 accattttta ctgaattctg cattgtctct ctgcatcata gacacatatt cattgttgtc 120
 tattcagcca tcctaaaagg gtaaaacatg aaaacaacaa catcataaat ctattntaac 180
 ataaataaga gcttatgaag gccacttatg acctatcacc taatacgagc ataaaaattc 240
 tgaatagaaa agaaagcatt gtttataatg ttggttactt ttcaatcata attctcaatc 300
 tgattagaac aagggttact tctacataat taccgccatc gatgt 345

<210> 35500
 <211> 322
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35500

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 cccacacgaa attttgagag ttggtcttgg gttatgcctt taggggtgaa attgggtcgg 120
 agacaggatg aggatgcatg tgcagcttct cttctacgat cctcttcttc cttttccatt 180
 gtctctttga tggttacttt catctccttg catatggttt catcattggc tgttatattt 240
 tggagatctt ccctggcttc tcttaactac gtagtcattt ggtaatcgga atatgcatta 300
 ttgattcttc aatccccac cc 322

<210> 35501
 <211> 400
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35501

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 agtgacctct tcaatattgt tatctatatt tattttctca cattctattn tatcacgcac 120
 taaaaatatt gtatcctaaa ataataatta acattttttt catattntta ttttctagct 180
 ttaattgatg tcaatacttt tcaccacagg ataaatacat atcaatacac atgagtcttt 240
 aacaagttaa acgatcttta tattgacca agcctaattg atacaaggat aagtttacca 300
 acttttccag cacatgagan aggaagaaga ggaatgcttg gatcctgaac ccattgaaga 360

aaaggtgaga gaggctgata acggagagag aaaatgatcc

400

<210> 35502
<211> 429
<212> DNA
<213> Glycine max

<400> 35502

agcttatatc aaccacgacc aactgtccac gtcaacacta gtactggtag aggatctggc 60
ccacataaag aaaaattcca tagttacttg ggggtagtgg cgcgggagaa aatccctatt 120
gttcatgcta cttggaaaga tgtccccgaa acttttaaag ttattgtatg ggatgacatt 180
ttggtaagtc cactcaactg gtaacgagtt tacttttgtg tatatttaat gcctgtggaa 240
atgtgggttta tgcagttact gattgaaaag tatttattat tttaggccaa atttgatatt 300
cctgaagggtt taactgcgaa gaagaagggt atgtccacgg ttgcaacaag atggaggcaa 360
tttaagtcct ccctgacctc cagatatcta tacactgaca aagacgatca acaaaacatt 420
gatccatct 429

<210> 35503
<211> 358
<212> DNA
<213> Glycine max

<400> 35503

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acagagctac atacatcttg gaaacgatac atacggacat ttgtgggcca tatcatagcg 120
cttcatggaa tggtaacaa tattctatat cattcataaa cgattactcc agatgtgcat 180
acttgattga tatacatgag aagtcacaat ctctggatgc gttcaaaaca ttgaaagtcg 240
acgtggaaca tcaactcaac ctttgaatgc actgtgtcag atctaaccgt ggtggtgaat 300
actatgtcag atatgactgt tcaggtgaac aacgtccaga gcctatcgtc acgtacct 358

<210> 35504
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35504

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 caatceatca gtgggctttc cttctgagtc cagcatcttg ggatgttccc agcctttgat 120
 gacagctttc cagggttctgc tatccagtga tttgaggaag gccaccatcc ttgctttcca 180
 gtattcatag ttggttccat ccagaattgg tggctctgtc actggtcctc cttctttctc 240
 catgttcac cagaatttat tccctaggtc tcaactcagt atttcgagtg cccgctctga 300
 taccaattga aattctgata ccaatgccag atgtcgtaca ggatgtcacg acatcacgct 360
 tcagaacaag cagattatct ctgagtgtat gaacagatta tacaagtaaa taacacaaga 420
 gaatt 425

<210> 35505
 <211> 276
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35505

tgctgtccg atgcagcagt aatgatggcc cgagttatgt tgtggatctg gttactaacc 60
 cggaatgggt ttaggcagag acaacggctg cataactagc ctgatanatg ccaaaggaaa 120
 tcgtgggaag tatgtgctat gctataagcc cactcacgca gatgtaaaga gaatcatcgc 180
 gggaaggaac ggcgaggctc aaagctcgcg ggtgacacta gaaagagaag gaagcccgtc 240
 ctgccacata agtataagct gtattagcgc gagtct 276

<210> 35506
 <211> 415
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35506

agcttgtggc tgcattcaga ggtttccaga atatgtcaag agaagctgat cgaacgtacg 60
 taggctagta gcaacgaaag tgaaaaatcg tgaattaaaa tatgataatt tcaacgacgg 120
 tgatgggtat aaaccgtagt agtcttgtta caaacaaca cggttcttat aaaatcgctt 180
 ttgtagcatt cacatcaaag gcgattttat aaaaaccgtc aaacaccttc ataaagttga 240
 ttaaaatttc aaaaatatca caaatcgat gtagatttaa cgatgtagat tgtttatttt 300

<210> 35509
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35509

tcttgcgtag ccgctctcgg tgctcangaa atgccatgaa catatccatc ttattactag 60
 ctactatgaa ttcttttagat cctgaatgta caaccttcac atgatgctcg ctccccctctt 120
 tgatgtctgc accatagaaa atcattatca gcgaactcat ggatgaagtc ctaatgatgc 180
 catgtacatg tgcatactcg aacatatagt gtatatattc catccatcat acattgtctg 240
 gagcttacct ggatagactc taacgtcacg catacccaca cccgaatcag aatccatgta 300
 aaagctatac cattcaatctt ctgagagctt cgttggttaat ctgagcgctc cacatatatg 360
 ccccgatcgg actcctgg 378

<210> 35510
 <211> 258
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35510

atcttatttt agctanaaga gatgttgcac aaactgcttg gagtctatta cattgcgctc 60
 gaactatggtt tttgcttcta tagttaacca gctatatatc agatgcattt ataagacatg 120
 cgaaacttac atcagtgttg cacatccctg ttattatata attcatagac atattctacc 180
 aagagtaaaa atgcatatac cagcatcaaa gttttacatt tcataacctt ctcatctaatt 240
 gcttgccatg cctcactg 258

<210> 35511
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35511

cttanaaggc acattggcca ttggtaatcg attacatctt ctgtgtaac gattaccaga 60
 gagtaaaact ctctaaaaac attntaaatt aaatcctttc gccatacctt ntgttggttc 120

aacttggaat tttcttcta agactctggg aattatcttg atcatatttc ttgaatttct 180
 tggatatcta ggattcttgt cttgaataaa acttgagaag cgcgttcctt tggcatcatc 240
 aaaacatcaa aatatctttg cttctacaat gtcttcagtc atttacactt tcagaagact 300
 acaatgtctt catttacatt tgagagactt tcatgtcttc agtattttacg ctttaaaaga 360
 ctacatttct tcatatatt 379

<210> 35512
 <211> 216
 <212> DNA
 <213> Glycine max

<400> 35512

agcttcatgc ttaactatgt atggaaaaac ttcattacta ttgttcaaga catacaagtg 60
 agcttgtaac aaattgatgc aatcctaccc cgcaagggcg atgtgtacaa aactcccagt 120
 gtaatggacc atatatgcta tataacgccc tacgggtttt atgagcctta tggatatattt 180
 taggcgcgtg tgctaagttc aagcccagtt atgttt 216

<210> 35513
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 35513

ggcctgtctg atgcagcagt aatgatggcc cgagttatgt tgggaaacga ttacgaaccc 60
 ggaatggggt taggcaaaga caacggcggc ataactagct tgataaatgc caaaggaaat 120
 cgtgggaagt atggtttagg ctataaaccc actcaggcgg atataaagag gagcatcgca 180
 gaaagaaaga gcggtggtca aagctcgcgg ttgaggcaag aaagtgaagg aagcccgcc 240
 tgccacataa gtagaagctt tataggcgca ggtctgggaa acgaagggtca agtggctcgcg 300
 atatacgaag atgatgttcc gagtacattg gatttgggtac gaccatgccc tcctgatttc 360
 cagctgggaa attggcgagt ggaggaacgc cccggcattt acgcaacgag cataat 416

<210> 35514
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 35514

agcttgaatg gtcattgacc cagataacta ccgccaacc tgagtcacatca actcaggaat 60
ccccaaaacc aacaacaacc aaacagaccg tggctgacta tgcctgatca atacaaactc 120
tcttggccct agaagatata ggcctcacca aaataccaaa attggccaaa aagacctgng 180
cagaaatggc ctcagaatca gatgatgatt ctgaaacaga tctgcaaaaa caaatccaaa 240
aggccaaata gaccaaagct gtctgcaatc aaaaatcaag ccaatcgttg actcaacaag 300
aatcaacacc acaacccaac aacaattata tttcanaaaa caaaattttc aatgttctac 360
aatggaacc agaataactgt gacaagaatc ctttcaaatt 399

<210> 35515
<211> 490
<212> DNA
<213> Glycine max

<400> 35515
tagcctgatt cagatcgaat tgaagatggc ttagcttata cttgtctagc ttagctgacc 60
aaatcagcct cagatgcaag gggtgggccc taagcacttg agactcgtgg cttagcgcac 120
gatcaaagat gcgcttagcg cgaagctcac gcttagcgaa aggactattg atgtgccatt 180
atcttctcct atttcttaac cttttttgca ccattttaaa taccgattag tcttaattgt 240
caaatttatt acgcagattt attatttggg cccattcagc taattgatgt ttttaattcta 300
atttcaggaa ttaatgaagc attgggcttg aatctagaat tgggcttgga cttgaagaag 360
gcagactaat ttattctaca aaattagagc ttattctatc ttatccatat attatttaga 420
tgtgatctca tctagatatt atgtcatcta gatcttatct tatctagagt cgatttgatt 480
ttacttatgg 490

<210> 35516
<211> 408
<212> DNA
<213> Glycine max

<400> 35516
agcttggcat gaccacaaca tggatgggca ttactcgggc tatgggtgac aggttgctca 60

gggtgagcat gatttatgtc tcttcaggta ctggaatata ttatgtgaga ggtccctggt 120
 ttttaaccatt ttgacctttt tgaccgatag acaacacatt cgggatacat gtttcatttt 180
 actccaagtg agcatatggt atacacgtgt gtcatttggt tacacatggt gtttcacgaa 240
 aggacatgtc ttaaagacat gttacatggt ttgtgggaat tacatcatgg cacgggtttt 300
 cagagtgtca tttcagctcc cgccagttcc taaaagggtg tggccttctc tcttcattta 360
 aaaagactgc atattacggt ttctttgtct tcaatcttga atatttcc 408

<210> 35517
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35517

ntgatgcaac atatggagag gttaatgaaa caacgagatg atgttctcca tgagaggctg 60
 gatcacatgg agaatataga tcataatgaa gaagacagga gtagaagagg gaatgatggt 120
 gttcctagac aaaactgaat tgatgatatt aaactcaaca ttctctcatt taaaggaaaag 180
 aatgatccag aggcctactt ggagtgggag atgaatatag agcatgtttt ctcatgcaac 240
 aactatgagg aggaacaaaaa ggtgaagctt gccgtcacgg agttttccga ctatgttctt 300
 gtgtgggtgga acaagctaca taaggagaga gcaagatatg aagagccaat gtgtgataca 360
 tggatggaga tgaaaaagat catgatgaag cggtatgtgc cggctagtta ctcaagggac 420
 ttgaaattca a 431

<210> 35518
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35518

agctttatat gattggctaa gattttgtta aaacataagc acttatacaa tgaaggaaaag 60
 ctggagttgc tgcacaagat gtccaacgtt atgtcaaaga ataagatcgg gctgcacaat 120
 gcacaaggca agataaagtg tcaaatgaag aattgaagct gcaagattca cgatgtcggg 180
 tacaatgtcc aggacatcct gcccgaaaat actggaattg ctaaaagcat tgatattgct 240

cgatccacga tgtcggatac aatgtccagg acatcctgcc cgaaaatact ggagttgcta 300
aaagcattga agttgcagga tccacaatgt cngatacgat gtccaggaca tcttgcccga 360
caatactgga catataaatc tgttatatct ttaacagatt attgtgcagt tagcaagaga 420
ttag 424

<210> 35519
<211> 289
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35519

tatangaagc atatcattac ttatatatag accatcagac caattcatga gaagacgata 60
taaacggcac atcttatgat ggagactgag ataaaacaat ataccttgag ttcaatggag 120
ttcactggag gcggaatgag gaataactgg gggggacgct tcattccatt cattaagcga 180
taaaggcaca cgctagtccg aaattcacta atgttctctc agcggatcat aactgagcta 240
tacacacgat cactatcatt gccgcttatt ttatcctgaa atcagatct 289

<210> 35520
<211> 264
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35520

aatagctggg aatctatggc taaattacaa gaggcctttt cgacttatca ccttgaggac 60
aaggtgagta ctttatgcgg ggggtattgat tagcataagc ataagccaca catcaccaat 120
gtgtacaacc gccaacaccc ataggggtgca aaccacccag caattacaac ccacccaaag 180
gggtgtaaacc acccaataan tatgcttcac ccaaaggggtg tcaagtcaga agaagtgaat 240
catggggaca tgaccctttg gaac 264

<210> 35521
<211> 278
<212> DNA
<213> Glycine max

<400> 35521

atctctgact tgagtcatca agagactata aatatgtgac catggcatga atttaattaa 60
 taatttatct ttcagtcctt cttcatcatg tctcaacatc tttgaactct tctctacaga 120
 aatttctgag tcatttctct acctctttct taaagctttt gctcaatact ttttctttga 180
 agagaagttc tttgatcaaa aacttgtgtt attcatcttt ttcattctct tctcgctttg 240
 ccacaagaac agaaggacta accgcctaaa ttcttttg 278

<210> 35522
 <211> 623
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35522

ctcccgcctn tgtctatctn actcacatag tgactcnagt cgtagttctg ctatcttcct 60
 acctcaccca cccccacacc cgcnnmntta gtgctgcac cttgtactac gngacatata 120
 cataactcaag cttgctgcac tgagagacgg gttcccagaa gacagcagtt tgtcgttatt 180
 gctgagaacc ctcaccttgc gacaaatgct atggaagaag actaggagat ggacataagg 240
 aatccgcagt gttgcgagac agcaactgaa aagacgcctc tgttcctgac actgatgaag 300
 atgttccaac aactgacacc cacgacgact ctgagcctga tatcaatata gatgatgcat 360
 catcctgcga tccctatgct gaagaactct ctgccccac cgcagagaga gcgtcatacg 420
 aagatgatca tgcgacgaag gacacccctg caccagaggg accataacct gctccaggtg 480
 agctcattga cctggaagaa atgaaatctg atgatgaagc cctttgcaac cccggttgca 540
 cccgtgcgtg gcacaacgaa taaaagcct gaaacggagc actcgcatct agaggttggc 600
 gaaatatgac tatcgccata acg 623

<210> 35523
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 35523

gcttggtatg aagatgataa aacctatctc ttactagatg tcagctagtt gtgagtctgt 60
 atccataaac tcaatgtcac aatcaccttt gtgaatatga tccctaataa aatgatgctt 120
 aatatttata cgctctgtcc tagaatgcat gatagcattc ttagtgatac taatgacact 180

agtggttatca catcttaaag gaatatgtcc taaatgcaat ataaagtcag aaagttattg 240
 attaagacac aagatttgtg cacaacaact tcacacaaca atgtactcag ccttatctgt 300
 aaacaaggca acacatgctc gattcttact attccatgaa accaggccat tacctaacaa 360
 gcggcaaata ctactagtgc ttctcctatc tagtgtaa at ctggaaaagt ttgaatctga 420
 gtattc 426

<210> 35524
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35524

agcttattgg gtctcataga atacttggag atcactagtc atcttcacta catgtttccc 60
 agaggtgctt ctatgaacgt ccaggtctta tcctttatca cacatagcat catggcatct 120
 tcttatcttg tctgtgtctg tatgaactta aagatcctga gggcagacac tgtacctgat 180
 ttcatgtcat cttttcagga gcaaattcag gacctgacac ataagaactg gtggagaatt 240
 acctgcagaa tagatgctga atctttgtgc ctctctgctc tccaagaaga tggcatgctc 300
 cttgatgaca agagccaact ctgatctccc ccatccagtc aaaatcttcc agaanacaga 360
 ccatcaatat ggatttgcag catgtattgt 390

<210> 35525
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 35525

taagtgattg tgctagatgg tgagggcgct actcttgaga gaggctcagc aggagtactc 60
 tgctacgtgg acaatatgga ggccacgaac ttactaaaag gggagaccct ggtgatacga 120
 tgagagagcc gaaattgacg cgattctcca aatgcatctg ttcttttacg ttcggtgtag 180
 cttgacagat gaacaatgaa ggatgctact gtaattaagg gctagctggc tcgacagaaa 240
 gttaagcaga aagtgtcatg tgaaagaaca cgcacaccct cgtatcatta tgcgccccatc 300
 atcctgtatt tggcgagtta ctccatcttg cataagccat ggcggggaggc aacggacata 360

tggaatgaca tccatatgtg gtaactacct ccagcaggac atacttcgca tatgcgaccg 420

<210> 35526
<211> 386
<212> DNA
<213> Glycine max

<400> 35526

agcttgacat atttaacata cttaggaact ttttttgtgc ggtgggaatt ctctaattgt 60
atcatgtggg ccttttgaaa gtaacaaaca gaaggccagt ctgttgcaag tttgctgctg 120
aacatcacat tccaccctaa gaaaacacaa ggtggattgc atcgagggtg gataccttac 180
cttagcacag aaggaaaaag tatgtcagtg caaagtatgg actaaactgc tttcaggaaa 240
aaagttgtaa aaattgatac aggttggaaa agggaatttt ccttcccggc ttggagtcct 300
cccaatttaa ggcagaacc atccactcca atttctgcag tttaaaactt tctctactta 360
tttagttgtc tcctctgagt tcaacc 386

<210> 35527
<211> 387
<212> DNA
<213> Glycine max

<400> 35527

agcttgcttc ttgatgaaat ggctataaat gcattaagga tctatatagt attacaacaa 60
caaccaaca ctgtcgatgc gtactttgga agataggtaa catctcggca ttcataaagt 120
ctgtcgatct ttatttggaag agatttgctc cctctccgac ttgggtaatg aaagcatggg 180
aaacaactca agatgaaacg atgactgctg gtgtgttgga tgctgtggat ttcaacacat 240
tcgggtgtgtt caacttgctt aatcattcta aaaccgaaac ctcttgaacc tttatgtctt 300
atattgtggc atgctatggg gaaatgggta tactataagt ttaatctgaa atcacaagat 360
gcaacctact tgtgaagtat cctaact 387

<210> 35528
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35528

ttcatgactt atttatgagc tcctttttatc ttgtggccag tttcaaata ga acttaaaatg 60
 taacattaaa gatattctgat aacaggaaaa tcctgnggat tgacaaatat tacaaaggca 120
 tcactaacat atcattgact ttggaattgc aaagctatct gcaaatcaaa gaaaaaatatc 180
 aatctctatg agtcttctgc actttttttt ttttttgaga cggagtttcg ctcttgccca 240
 ggctggagtg caatggcacg atctcggtc actgcaacct ccgccttcg ggttcaagcg 300
 attgtcctgc ctcagcctcc cgagtagctg ggattacagg tatgtgctac cacacctggc 360
 taattntgta tatttagtat agacgcggtt tctccatgtt ggtcatgctg gtt 413

<210> 35529
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 35529
 agccttacag aagtacaaa catttgeact aagcatctgt cgtctgtcaa agatatacta 60
 gtatgtgcgg cgtctatggc tttcctttca aatagattgt tgcgctgatt tcataatca 120
 caatccattt gcagatccat ctcaattttt ccaccatcca atgtacaata attacgaaca 180
 cctcttgaac atgatgaata atctgtcttt agaacagata acgagtttga taagttaccc 240
 tcaccacaaa gttccatgtt gccttcttcc tgtctggatt ctgaacagca cactctttcc 300
 tctactacaa cacctttact atgatgctta ccagcaatat gcagcaaatg attttcatc 360
 tcaccagaga taacatcaag attcaaattcc 390

<210> 35530
 <211> 215
 <212> DNA
 <213> Glycine max

<400> 35530
 agcttgcccc gttgaccata tatcgcttcc tttatgagcc cgatactgtg gtgacaggat 60
 aactgtgact aactgagct ctcattaaag tcaaagagct gcggaggcaa gaaggtacca 120
 aatcatgccg ctgtgaccag tgtccgcact aattatactg atcgtgaagt gccgggatca 180
 ccaacgcttg gcgcgcttat ctcaccgatg ccttg 215

<210> 35531
 <211> 402
 <212> DNA
 <213> Glycine max

 <400> 35531

 caccttctcg ctataccaat atgttggctc agcgagcatc cgctaagcgc aacggttatg 60
 ggctaagcgc aacactcatg ggctaagcgc gaggaagact ctggaagaag atgagatgta 120
 caggttcgct aaacgcacca cttcatctca ctaagcacac cgcttcagtc catccgctaa 180
 gcgagaaaagg cacgcgctaa gccaaaattc actaatgtac gctaagccgg ccataattgc 240
 gctaagcaca tgagcacgaa caaagccacc tatttaagcc agacatcaga ttttgtgagg 300
 gagtttggac tgggattcag agctttgcat gtctagagat tctagagaga gaaaggtcca 360
 agctccagag agctcagaga gattttgctg tgtgaagatc ta 402

<210> 35532
 <211> 406
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35532

 agcttaagac ggatgttaaa gtgggtgtgt tctgccttca tctagtcaca gacaagagaa 60
 tgccatctgc tctgatatcc caaagtaaga tggtaggttc ccaggcaagt ctcaaaaagg 120
 tgccaaaatg tattttttgcc actcttagat gaccaagcat ctcatgtatt agaaaagagg 180
 aagaaagggtg aggtagtggg gagagtatct ctttgcagag ttgttgaggc actatcagtc 240
 ttatccctcc tcctttacca tgatgagaag gatgggggtgt gctctgttgt ctctcagtc 300
 ctgagagggg ttcaaggaga ctattntaac agcttgacct atgtgagtct gtgggacata 360
 tggctgtggc cataccatt cttggaaaaa actaaaaata agagac 406

<210> 35533
 <211> 307
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35533

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004406-10599

tggggaattt ctcttgata ataccctgaa gägtgttttc cagcttgatt ccattctccc 360
tgtca 365

<210> 35536
<211> 396
<212> DNA
<213> Glycine max

<400> 35536

agcttttaag tatctgtcag ggccctaata atttctgcaa catgaatgaa atggatgaaa 60
attaatttta atattgggttt tacattaata tggaagctaa tgtttgaact agatcagcca 120
aagagtccca gtgcttatct aaaaagcaag tgactaatgt atggagaaat tcataattct 180
gtactctaca tacccttttag catttatttt tccttctggc tgtagatttt tacaggataa 240
tagatgattc tgctgtgga atacctcacc tgattccgat ttttcacttg aattcatact 300
cctctgactg gaaaagaatt cttcatttct atggcaacca gggttttgtt ccctgtcccc 360
tccatttaaa attccaagca gatacccttt atttca 396

<210> 35537
<211> 546
<212> DNA
<213> Glycine max

<400> 35537

ctccaccctt cctcgctgt tttaggcgtc taccactata cacacgccac ggaatgatga 60
tctccgacgg acttaataac tgagctgcag cagcctgtct atacagccta ctgatgggtt 120
ctattatctc gaggaccggt tacgaaccog cgcttagttt atgccaatac aacggcagca 180
tagctagcct gataaattcc atacgatata gcgggaagta tgggttatgc tatcagccca 240
ctcaggcaca tataaagaca ctcatcgccg caatgatcaa tggttgtcat agctcaccgc 300
tgacactaga aagcgaacga cccccctg ccataagta gacactttct caacgccggt 360
ctgggagacg aacgtcaagt ggctcgaata tactaagacg atgtcccgag tacattgggc 420
ttggtacgac cttgctcttc tgatgtccag cagtggaatc gcacactgga ggaacgaccc 480
cgccatctaa gcatcgagca tgataggac ctctcacggt attaacaagc tctatcatgc 540
gggccg 546

<210> 35538
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35538

agctttgctg gtcttacctt atctcctttt ggtccataag gtcccagaag gcctgngaaa 60
 cccctttctc ctttcaatcc cgataaacca gtagagccag tgaatccttg aggacctgtt 120
 gggccttgaa ttccaattgg tccaggtcgt ccctaagggtg gacagaagga gtgcaattag 180
 tcaatagagg acttagcatt aatacttctc attttccac gcacaaagag cactgtcata 240
 acttcactga ataattttgg ctaagagatc tgtgaggcac gccaaagttc cagacacgga 300
 tcagaaaagg ctattttagg gattgctaag cttatttgga tagaacacat tttataagca 360
 catttaataa gattcatgtg caccaagatc cttcaacttt 400

<210> 35539
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 35539

agcttgccac ttatgataac gcaggtttgt tgttctcttt atgtatgatt taaagaaaaa 60
 tgacctgaat aaaaaacagc tatctatgtc tataacctgtg tctatatatta tatggcttca 120
 aacattttat atgaatatgt atttttatat atgtgtgtga atatgtacat attcatatac 180
 ttaaaggtaa gaaggaagca gaataatata aaatggatct ttccaatcat ttgttcatga 240
 aaagtgtgag tatttgcaat ctcttcatac tcctttaaag tcaaaaatca atgacaagga 300
 ggtagtagag ttcggaacag atacaaatcc catttgagta atagatatatac aaaagatgat 360
 tgagtattgc ctactgagtt aatgag 386

<210> 35540
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 35540

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447

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agaagcttga cagtgaacaa tggaagctct ctagaaatat caatggacat aacttatcag	240
acggaagacg cattctggcg cacattatat cgagacgcta gcaattgcac aaag	294

<400> 35584

atcttaagtc actgggctgc agcttaacca ggggagatgg accattttcaa gttcttgact	60
gaatcaatga ccatgcttac acagttgagc tgcccggaga gtataatgtc atctccacct	120
tcgatgtctc tgatctatct ctattctatg caaatggaca atcctatttg aagatcaact	180
cttctaaaga gggagagaat gatgatgaca tgaccaatag caatggacaa gatccacttg	240
aaagacttgg aggacctatt gatgaggaca tgaccaagat ctatggcaat gatccacttg	300
tacgacttgg acgacctatt acatcgtcta tagcaaggaa agccaatgaa gctcttcaac	360
acatgcatga catact	376

<400> 35585

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attttggccc ccactctctt ctggtttgta aggtttctgc agagagatcc actgttagtc 120
tgatggggtt ccctttgtgg gtaacccaac ctttctatct ggctgcgctt aatatttttt 180

ccttcatttc aaccttgggtg aatctgatga ttatgtgtct tgggggttgct cttctcaagg 240
 agtatctttg tggcattctc tgtatttcct gaatttgaat gttggcctgt gttgctaggt 300
 tggggaattt ctcttgata atacctgaa gagtgtttcc cagcttgatt ccattctccc 360
 tgtca 365

<210> 35586
 <211> 449
 <212> DNA
 <213> Glycine max

<400> 35586

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 gttggtacct tcgcgattag attgcttctc ctatctctga tggaaagact ggaatctttc 120
 attgaatata atagccttta ttgagtaatt gacccaaact cataatatta ttcttcatat 180
 ttgggacata gtagacattt gatatgaatt catgtcttcc atctttcaaa taaattaaga 240
 tcttacatta tccttttaca agaatcttag aattatcacc aaatgagaca ttgtcactta 300
 ctgattcatc aagatccacg aacatgcttc ttttctacac atatggttgc ttgcaccagt 360
 gtcaacgtat catgtgttgt cttggctacc ttcattacat gcacatgcta gaagcactat 420
 ttcaaacttc ttggcttttt gctccacat 449

<210> 35587
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 35587

agctttttaag tatctgtcag ggcctaatac atttctgcaa catgaatgaa atggatgaaa 60
 attaatTTTA atattggttt tacattaata tggaagctaa tgtttgaact agatcagcca 120
 aagagtccca gtgcttatct aaaaagcaag tgactaatgt atggagaaat tcataattct 180
 gtactctaca tacccttttag catttatttt tccttctggc tgtagatttt tacaggataa 240
 tagatgattc tgctgtgga atacctcacc tgattccgat ttttcaactg aattcatact 300
 cctctgactg gaaaagaatt cttcatttct atggcaacca gggttttggt ccctgtcccc 360
 tccatttaaa attccaagca gatacccttt atttca 396

<210> 35588
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35588

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 ctcgaaactc gataatctat ctgtattgct attntataat agagctccca cataagagag 120
 acagaaagac ataaactagt ctcttttgaa aaaaaaacca agaaagaaaa gagaaactga 180
 caaaaataat tagctttgga gttggtacag aattcttcca agttaactag aaactttgaa 240
 ttcaaaacca gtacatacaa ttaatatgcc ggtggtacaa gcagatgatt gaattcttta 300
 agtaagcttc tatgtttgaa tcttataaat aaaaaaata tgtttaaaat gaaaaattct 360
 ataaacaaag atttcttaat ggacattaat tattaaca 398

<210> 35589
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35589

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 cccctttctc ctttcaatcc cgataaacca gtagagccag tgaatccttg aggacctgtt 120
 gggccttgaa ttccaattgg tccaggctgt ccctaagggtg gacagaagga gtgcaattag 180
 tcaatagagg acttagcatt aatacttctc attttccac gcacaaagag cactgtcata 240
 acttcactga ataattttgg ctaagagatc tgtgaggcac gccaaagttc cagacacgga 300
 tcagaaaagg ctatttttagg gattgctaag cttatttga tagaacacat tttataagca 360
 catttaataa gattcatgtg caccaagatc cttcaacttt 400

<210> 35590
 <211> 298
 <212> DNA
 <213> Glycine max

<400> 35590

agcccttgag gacaggattg ctactttgtc agcaataata acggccaaca gtgaagcttt 60
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 tataagctgg aaagtttctg atgactgtaa aaatttcgag gacagtatct ctaacatctc 180
 acacgagcta tgggttgcaa acgaccatgt gagggagatg aatacggaaa aagagcagct 240
 aatgagagac aaaaaccact tgggtggagca gctgcagatt aaaaaagaac acgaagtg 298

<210> 35591
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 35591
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 tgacctgaat aaaaaacagc tatctatgtc tatacctgtg tctatatatta tatggcttca 120
 aacattttat atgaatatgt atttttatat atgtgtgtga atatgtacat attcatatac 180
 ttaaaggtaa gaaggaagca gaataataca aaatggatct ttccaatcat ttgttcatga 240
 aaagtgtgag tatttgcaat ctcttcatac tccttttaaag tcaaaaaatca atgacaagga 300
 ggtagtagag ttcggaacag atacaaatcc catttgagta atagatatac aaaagatgat 360
 tgagtattgc ctactgagtt aatgag 386

<210> 35592
 <211> 259
 <212> DNA
 <213> Glycine max

<400> 35592
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 cagacaaaat gagctactaa tgcctaact acgtggacag aatctttctt agatgtagga 120
 gaaaaagact ctgtgtaaac tcatacttct atttgagtga accctttggc atcaaacgct 180
 gccttaagtc acgcaatgaa gccttgcgag tctttattgg ttataaaacg catctacatc 240
 caatggctat tacaccact 259

<210> 35593
 <211> 392

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35593

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 aagagattta attaatTTTT aacaattatg cagacatttt ttaaataaaa aacttagttg 120
 acatactgca gaatgcatca gagtctctta ctggcagaat tgatcaagca gaagaatcag 180
 tgaacttata aacaggctat ttgaaaatac acagaggaga caaaaggaag aaagaataaa 240
 aaagaatgaa gcatgactac aagatctaga aaatagtctt aacagggcaa atctaggagt 300
 tattggcctt aaaattattg gccttattgg cctgatgagg tagagagaga gagacggngg 360
 tagaaagttt attcagagga atagtaacaa ag 392

<210> 35594
 <211> 437
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35594

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 aacactaaaa aaaaactcaa ctccccctca gaaatcgtga tttcatctta aatagacaat 120
 cctgtcggtg ggcgcgcact tagcggaaga tgagctcgct tagcgcgcgt tagtgacttc 180
 tggcttagcg ctagtacac tcgctcaact tggaggtgaa gacaatgcgc ttagcgagtt 240
 gtgcttgctc agcacctcta tacagctcat ccttcttcca aaattgtccg cgcgcttagc 300
 cattatatgg tgcgcttagc ggatgacgcg cttagccaaa tgatgagtgg cttagtgagt 360
 tcatgacatc tgcactccac caatcttgcc tatnttacct gagattgaag tggaatgac 420
 attaaataca caaaact 437

<210> 35595
 <211> 377
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35595

655707-307E400

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attcccaaac aataaagcag gacaccttat ggaagttatg gaaactttgc gttgtatttt 120
gggcagatat taaaagttag ttaattacat aataaacaca taagtatata taaagatggg 180
taatttactt tttttaatat catgtgaaat ggaaaataat ggggaaagct attatttttt 240
ccattcctat ctacatgaac ttgtccctcc ctttttcccg cctggaatac tgtacagcct 300
gnctgactgc ctgtaccact ttcacctgaa gaaatactac tagtttaaag ccatttcatt 360
tcacttaaca gtcacct 377

<210> 35596
<211> 677
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35596

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actccanctc caccacagca ccacacncac cncaggnatt ttganatcga atttcccttc 120
tcaganaccc cgcgatacgt ntagcataag agnatcgac gcctgctaag catntgtatg 180
agagagtaat gatgatggac gatgtgatga atagtagaca tacacatcac acaagatgtg 240
tggcgcactc attactgaga gtcacatgac gtcttgaagc tgatnatctc gcatagagat 300
gagtcaatga gatataatnt acatgcgaca tcatcatgag ccctcttata tgatagcact 360
agagcgcccg cacaaacata cgtatggaaa catagaatgg ctattcaaatt accacttgaa 420
tgagtggagg ccaatcatgg agccaaaatt tctaatta tgattagtct attataacta 480
tggttcaacc cactaatcct agaacaaggc catgatactt cactaagaga gcttaggacg 540
tgcgacgcat gtacagcttt agatacatgc accacaggtg acgtattgag tgtgtactgc 600
ggtagatcaa gtacatgctc atgctacacg tcttaatat aaatggattg cgcttctctc 660
aatacaattc atctacn 677

<210> 35597
<211> 389
<212> DNA
<213> Glycine max

<400> 35597

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 cagaaatgga tctcagggtgc atatggcttt gaacatatga ttccacttcg attatagtat 180
 tattacttag acatagtctt gatgtttgcc cttgagcatc atttgctaaa gatgactatt 240
 aggttttctt gcatcatcca ttaagcaacc cccaacccca tctagcccag ctagecctctc 300
 ttctacagga agggagtcag atattctcgg ccaacaagat gagtaccaca ctaatgcctt 360
 cccagtctgg cccttagaga atttggat 389

<210> 35598
 <211> 229
 <212> DNA
 <213> Glycine max

<400> 35598
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 acaacacctt ttcacaagtc aagatctctc tgtatatctc ttcacatgacg cgctcatgac 120
 atcctcacac ctatctcctt ctcatctcct tgacgaacac agccatctga atacaatccc 180
 tcctacacaa gttgatgata atcacacaac ttacacattt ctacatgg 229

<210> 35599
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 35599
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 cttgtataag agatgttcaa taaatatttg ttaataaac actgcataat gtataaatgt 120
 gtattttaaa attgtagggt ttcaacccat taatgagttg caatctatat gtatacatgt 180
 atgatatgcc tggcacatta gattttcaat aaataattat taaataatgg aaacgttcat 240
 aaaataaatt agacacagca agtagtaagt gctgttggtta tctatatccc ctactcctt 300
 gtccctttca agaaaaaat accctaaata atgaagagat ttcaaatgtg caactgtatt 360
 acatggtcta caacaggagt tggc 384

<210> 35600
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 35600

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 cacatacctg tccaaagcac cacaatgttg tctttgggta aactcttgaa atttgaaaat 120
 aaatatttta taacaaatgc taacttgtgc tctaagaaca ttagttgagg aatttaaagt 180
 agaaattatt ttactagaa aacgaaaaat tatgttccca ttatcttatt acgcttttat 240
 gatttaggca ataaatattt ttctctttta attctttaat caatgtctta agtacattac 300
 ttatcaatac ctatattcta tttatgctct agacagtatt cattgtattc gacaaatact 360
 ttttttaatt ttaaataaaa tgtgtgggga tgtagttt 399

<210> 35601
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 35601

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 aatacatatt taatgttata tgtattatat actatattct tagaataaag taagatagag 120
 aaaagaaagt gatattttta aaatcagaag gagtctcaac aatgtctgga taattacaaa 180
 aagagggaaa gaataagaac aaaataaaat cataaggaag aaaaaatata tttgcaattc 240
 attaagtgga atggattatc ataaaagtca tcctccttgt catcttcaca ttgagtaggc 300
 tgaagaggag gaggaggaga aaggattcat cttgctgtct caggggtagc agaggtagaa 360
 aaggtagagg aggtgaaagg tgaggcagga gaggca 396

<210> 35602
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35602

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0044106-101599

atcaccagaa gtataactat tctgtgcac tgatcctgta naataaaatt ggttgtgaag 120
 accaactg ctgaactaga atgcatcac gccacctgct gattatatgg aagttcagac 180
 tctgggctg ccatcactat tagatcaagc acatccatca ttgaggttat gctatgacta 240
 ttgaaacccg atcacctttt gctcgtctac aattacatat gactcgtgc tattgcacca 300
 tgctgcgta gcgctcgact acaggcctct tggcataatg tatgatactg cttaacgaac 360
 agcttccgctc atgaccatac tggagtgggc tcggctaagt cacatactta ccgagcttat 420
 atccn 425

<210> 35603
 <211> 450
 <212> DNA
 <213> Glycine max

<400> 35603

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 gtttgtccac catggtatgc tttatgttcc tattggttat agctctggta tgctttatgt 120
 tcttattggt tatagctttg gtgctagaat gttcaatttg gagtccacaa gaggaggatc 180
 tccatattggt gctggagitt ttgctggaga tggtaacaaga caagcaagtg aaatggagct 240
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 ttctgcgatt ataaattcat taagccctcc tagccaggtc agcattctag tctgtcccaa 360
 gttggtgacc tctaaatcaa acttcttaat gcaactcaaac aaaccattgg tgacctcaca 420
 atcaaacttc aagtcagtgt tgcataaaaa 450

<210> 35604
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35604

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 agaggtgctt ctatgaacgt ccaggcttta tcttttatca cacatagcat catggcatct 120
 tcttatcttg tctgtgtctg tatgaactta aagatcctga gggcagacac tgtacctgat 180
 ttcatgtcat cttttcagga gcaaattcag gacctgacac ataagaactg gtggagaatt 240

acctgcagaa tagatgctga atctttgtgc ctctctgctc tccaagaaga tggcatgctc 300
 cttgatgaca agagccacct ctgatctccc ccatccagtc aaaatcttcc agaanacaga 360
 ccatcaatat ggatttgcag catgtattgt 390

<210> 35605
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35605

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 cacacctttt tgctatgtat aagactcaaa gcatgataga acgcagagac taatgtcgtc 180
 ttctgtgtct tccccatcc agaggcgacg gtcccgatga catgcgggaa ccatttggtc 240
 ccgcacttgc ttttgctatc tataatactc aaagcatgag agcacgcaga gattaacgcc 300
 gtcttctgcg ccttttgtca tccagaggcg gctggccga tgacatgctg gaaccatttg 360
 gtcccacacc ttttgctat ctataagact canagcatga tagcacgcat agacgaacgc 420
 tcgcttctac g 431

<210> 35606
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 35606

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 atcatgtggg ccttttgaaa gtaacaaaca gaaggccagt ctgttgcaag tttgctgctg 120
 aacatcacat tccaccctaa gaaaacacaa ggtggattgc atcgagggtg gataccttac 180
 cttagcacag aaggaaaaag tatgtcagtg caaagtatgg actaaactgc tttcaggaaa 240
 aaagttgtaa aaattgatac aggttgaaaa aggggaatttt ccttcccggc ttggagtcct 300
 cccaatttaa ggcagaaccc atccactcca atttctgcag tttaaaactt tctctactta 360
 tttagttgtc tcctctgagt tcaacc 386

<210> 35607
 <211> 625
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35607

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 tatacacnnn tatccaacac gcccgccgc accncaactt tggagatcgt agttggacng 120
 cgtatcctat anagcggatc tgtatgcatg caagctgtgg gcatgttagc gtntgtggga 180
 anactgtatc tgtattcact gtagctctcg aatgcacaat cgagatgggt caagcacaaa 240
 tatatatatg ttgttgcgg cttgccacgc ataaatagtt tttatctggt cagattaagc 300
 atacacttgc tcatgcgacg acttcacata ctcaactata tcgcgtgcat gcttatgctt 360
 aatcatagga atggtacgaa tatgcgacta atattgagga gcgagtagac ttaatcctta 420
 ttctaggtca tatggtgaga caaaaattgc gctaagtgat tgcgcgatta taatcaaact 480
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 tgcacataca cactcacttc cattt 625

<210> 35608
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35608

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 tcactaacat atcattgact ttggaattgc aaagctatct gcaaatcaaa gaaaaatata 180
 aatctctatg agtcttctgc actttttttt ttttttgaga cggagtttctg ctcttgccca 240
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 attgtctgc ctacgctcc cgagtagctg ggattacagg tatgtgctac cacactggc 360
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<210> 35609
 <211> 311
 <212> DNA
 <213> Glycine max
 <400> 35609
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 gtcattgcag tgcgcttttg ccttgatcac gtatatgcat gctttgctaa gatccttcac 120
 gtagatgcat gctgtgctaa gatcgtacta tcaattcaac aaagaccacg gtggaccttt 180
 caacaggccg cttacaacg gcctatcatc ttttacagga caaccaagct ggaggagact 240
 ttgactcaat tcatgcaggt gaccatgtca aatcacacaa gcaactgagtc aacaatgaag 300
 aaccttgaga t 311

<210> 35610
 <211> 215
 <212> DNA
 <213> Glycine max
 <400> 35610
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 aactgtgact aactgagct ctcatataag tcaaagagct gcggaggcaa gaaggtacca 120
 aatcatgccg ctgtgaccag tgtccgcaact aattatactg atcgtgaagt gccgggatca 180
 ccaacgcttg gcgcgcttat ctacccgatg ccttg 215

<210> 35611
 <211> 577
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35611
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 acgcaagctt canctgactt ccagtaaata tcttcaacta taatgcctta ctgccatcca 180
 gtattaggac atatccaagt aaagaaagga acacaatctc gcccgacggc ctcaaagggc 240
 atacgcggcg cactcttctt acactcaaac tacgttcgag ttaacaacag gcattgataa 300

acaggttgaa tatagattga tatatctatt atgactatta cacagacata ttattcctac 360
 ataccattcc aagaagaaag tgaaacgggt gagaaagatg gtagctactg cctgtctata 420
 gaatacaaac atgacattgc tcatgccatg atcgaatcgc cctcttgaga gaatgaacat 480
 atcagcatat atggctcgcc ccagaaccac aatcacaac ggtcgatcct atcattttga 540
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<210> 35612
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35612

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 tgccaaaatg tatttttgcc actcttagat gaccaagcat ctcatgtatt agaaaagagg 180
 aagaaagggtg aggtagtggg gagagtatct ctttgcagag ttgttgaggc actatcagtc 240
 ttatccctcc tcttttacca tgatgagaag gatgggggtg gctctgttgt ctctcagtc 300
 ctgagagggt ttcaaggaga ctattntaac agcttgacct atgtgagtct gtgggacata 360
 tggctgtggc cataccatt cttggaaaaa actaaaaata agagac 406

<210> 35613
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 35613

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 tgatgggttt ccctttgtgg gtaacccaac ctttctatct ggctgcgctt aatatttttt 180
 ctttcatttc aaccttggtg aatctgatga ttatgtgtct tgggggtgct cttctcaagg 240
 agtatctttg tggcattctc tgtatttctt gaatttgaat gttggcctgt gttgctaggt 300
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tgtca

365

<210> 35614
 <211> 604
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35614

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 gcgagagtgt accatcgatg taacgtgctg tgaggcctcg gaacgtaagg ttctcgctct 540
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<210> 35615
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 35615

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 cctctgactg gaaaagaatt cttcatttct atggcaacca gggttttgtt ccctgtcccc 360
 tccatttaaa attccaagca gatacccttt atttca 396

[illegible]

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<223>      unsure at all n locations
<400>      35617
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14839

[illegible]

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atcgctgata	ccctaccata	ctagaacggc	cattatacat	ggcccatagc	aaggaggtag	540
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<400> 35619

14840

<210> 35620
 <211> 438
 <212> DNA
 <213> Glycine max

<400> 35620

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 gtgcaataga gcctggcatc atcaacaagt ttgcaaaatc ttggaaatgc attagcaaatt 180
 cttttgtgag atttcaactg tgaattcacc cttactgccc tacctgtcat aatagctctc 240
 ctcgtaaaat tccaatggca agatgttaac ctgtcatata tatatatata aaaccaattc 300
 ccaaactagc aacacggatg attccacaaa gcatttatac ctaatgcctc taacaacagc 360
 aagatagcca tcacaaacca caccaactag ctcaattctg taggctttcg cgtgcgcgat 420
 ctcattacaa ttttctct 438

<210> 35621
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35621

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 acatactgca gaatgcatca gagtctctta ctggcagaat tgatcaagca gaagaatcag 180
 tgaacttata aacaggctat ttgaaaatac acagaggaga caaaaggaag aaagaataaaa 240
 aaagaatgaa gcatgactac aagatctaga aaatagtctt aacagggcaa atctaggagt 300
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<210> 35622
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 35622

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 tcatatcctt tcataaaatg ctttgtgtaa tcgattacat ggttatggta atcgattacc 180
 agtgacaagt tttgaataaa aagtcaagag atgtaactca tccaatgggt ttcagggttt 240
 tctcaaggat ataactcttc caatgggttg cttgaccaga catgaagagt ctataaaagc 300
 aagaccttga cttgcatttc aataactgtt tagaaaaact tttagaattt cttgaacaac 360
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<210> 35623

<211> 377

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35623

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 gggcagatat taaaagttag ttaattacat aataaacaca taagtatata taaagatggg 180
 taatttactt tttttaatat catgtgaaat ggaaaataat ggggaaagct attatttttt 240
 ccattcctat ctacatgaac ttgtccctcc ctttttcccg cctggaatac tgtacagcct 300
 gnctgactgc ctctaccact ttcacctgaa gaaatactac tagtttaaag cccattcatt 360
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<210> 35624

<211> 464

<212> DNA

<213> Glycine max

<400> 35624

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 actgccccac ttgccccaca aagtcctcca aaaatggctt aggaacttag agtcctatc 180
 actaacaatg ctctttggca aaccatggag tctcacaatc tccttgaaaa acaaatcagc 240

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465

<210> 35627
<211> 384
<212> DNA
<213> Glycine max

<400> 35627

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gtccctttca agaaaaaat accctaaata atgaagagat ttcaaatgtg caactgtatt 360
acatgggtcta caacaggagt tggc 384

<210> 35628
<211> 227
<212> DNA
<213> Glycine max

<400> 35628

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cgataaagga atagcttcca ctaaagctgg ctctttgtac tctatcacca acatagtgaa 180
catgctaata gccgggaagt ctgaaacttt ctcttttggt gaacata 227

<210> 35629
<211> 396
<212> DNA
<213> Glycine max

<400> 35629

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aaaagaaagt gatattttta aaatcagaag gagtctcaac aatgtctgga taattacaaa 180

aagagggaaa gaataagaac aaaataaaat cataaggaag aaaaaatata tttgcaattc 240
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 tgaagaggag gaggaggaga aaggattcat cttgctgtct caggggtagc agaggtagaa 360
 aaggtagagg aggtgaaagg tgaggcagga gaggca 396

<210> 35630
 <211> 569
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35630

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<210> 35631
 <211> 383
 <212> DNA
 <213> Glycine max
 <400> 35631

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 aaaaggtagc tccgagagtg ggagaatata tttataatac atttctctaa gagtacttat 240
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ttgaacaatt atatgtttgc atacctatga aatgcaaata tataaagaaa tatatatatc 360
tgcaatttat atgaacagaa tca 383

<210> 35632
<211> 436
<212> DNA
<213> Glycine max

<400> 35632

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tggttgctggg acaatgaatt tgcaagacag accttagctg gggccaatcc agtgaatatt 300
gagctgtcga aggtagtgtt tcatacctgt ataggaagaa attattgtgt ggtactgctc 360
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<210> 35633
<211> 390
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35633

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ccatcaatat ggatttgcag catgtattgt 390

<210> 35634

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 aggctaacaa t 251

<210> 35637
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35637

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 tcactaacat atcattgact ttggaattgc aaagctatct gcaaatcaaa gaaaaatatt 180
 aatctctatg agtcttctgc actttttttt ttttttgaga cggagtttcg ctcttgccca 240
 ggctggagtg caatggcacg atctcggtc actgcaacct ccgccttcg ggttcaagcg 300
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<210> 35638
 <211> 449
 <212> DNA
 <213> Glycine max
 <400> 35638

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 catacagaga caatcattct atcaacatcc tcattccacc acttatgagt gtcctataat 360
 gatataaatg cacatcaatt ggtcattacc tatttcaagg acaggaaaag acacacatac 420
 ccgaagagca acctatgaag atgacatgc 449

SECRET

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<400> 35640

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ataatgctcg tatcattcag atatgatggg atgatcactg ctaatcgaat taccgtgttt   180
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<223>      unsure at all n locations
<400>      35641
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<210> 35642
 <211> 274
 <212> DNA
 <213> Glycine max

<400> 35642
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 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
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<210> 35644
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<212> DNA
 <213> Glycine max
 <400> 35644
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<210> 35645
 <211> 586
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
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<210> 35646
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 35646
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<210> 35647
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
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<210> 35648
 <211> 448
 <212> DNA
 <213> Glycine max

<400> 35648
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<210> 35649
 <211> 386
 <212> DNA
 <213> Glycine max
 <400> 35649

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 aacattttat atgaatatgt atttttatat atgtgtgtga atatgtacat attcatatac 180
 ttaaaggtaa gaaggaagca gaataatata aaatggatct ttccaatcat ttgttcatga 240
 aaagtgtgag tatttgcaat ctcttcatac tcctttaaag tcaaaaatca atgacaagga 300
 ggtagtagag ttcggaacag atacaaatcc catttgagta atagatatatac aaaagatgat 360
 tgagtattgc ctactgagtt aatgag 386

<210> 35650
 <211> 449
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35650

agctctcaac aagagtcttc acaaataact atcatgaagc agataactag caaaactacc 60
 catcatatct cccaaaaccc catacccacg aaaatcaaag gagaaagaag tccaccacaca 120
 cctgaaattt tgaagtccca ctgtagaca cgcacttcac gactccgaaa atgccctcct 180
 ttcgcgattt ggagcagaaa tgatggccaa aggttgagc tttgtgggc aacaatgggtg 240
 gaggaagaaa agaagaagaa ggctgctgta gagagaggga gagcttctga aatttctttt 300
 gggctgagtg aggagagaga gagagatgct ctctggttct aaaaagggtt ctctctttnt 360
 ctattatttc atttaagcta tgccacatgt ctccattcga gtggcgcana aagggccac 420

tttctctttt gacgtgaccc atactcagc

449

<210> 35651
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35651

agcttgatga aattcaggat agcacagaaa caattcagaa tactgtcaga caaatttaca 60
aagagattta attaatTTTT aacaattatg cagacatttt ttaaataaaa aacttagttg 120
acatactgca gaatgcatca gagtctctta ctggcagaat tgatcaagca gaagaatcag 180
tgaacttata aacaggctat ttgaaaatac acagaggaga caaaaggaag aaagaataaa 240
aaagaatgaa gcatgactac aagatctaga aaatagtctt aacagggcaa atctaggagt 300
tattggcctt aaaattattg gccttattgg cctgatgagg tagagagaga gagacgngg 360
tagaaagttt attcagagga atagtaacaa ag 392

<210> 35652
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35652

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attcccaaac aataaagcag gacaccttat ggaagttatg gaaactttgc gttgtatttt 120
gggcagatat taaaagttag ttaattacat aataaacaca taagtatata taaagatggg 180
taatttactt tttttaatat catgtgaaat ggaaaataat ggggaaagct attatttttt 240
ccattcctat ctacatgaac ttgtccctcc ctttttcccg cctggaatac tgtacagcct 300
gnctgactgc ctctaccact ttcacctgaa gaaatactac tagtttaaag cccattcatt 360
tcacttaaca gtcacct 377

<210> 35653
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35653

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aacaataat gaagctccct tgaggggtca cataatggaa ccaaaccaaa acagctctga 120
caccaacaag tgaatttaag atcttgatag aaatcggaga gatcattgag aggatataat 180
ttgagagaag caagatccat gagaaacaca aagaaatctt gatcaagaat aatagtcac 240
tgaagtacaa tgaagacgag aaaacaaaat ttaaagaaaa tactatggac tgtcaaaaac 300
cagtggcaac ctaagatgaa cctaagtctc catacttgaa caaacaacat gatagccaac 360
gagaatattt acaatgatca actagtanat ccaaactcga aaatataaac tcctcat 417

<210> 35654
<211> 389
<212> DNA
<213> Glycine max

<400> 35654

agcttccctg tggaatttcc ctccccattt cagaatactt gcagatgtac attagtaatt 60
cactagtcct tagttaatat cactttcatg ttttcagggc ctgagatgca tttcaggagg 120
cagaaatgga tctcaggtgc atatggcttt gaacatatga ttccacttcg attatagtat 180
tattacttag acatagtctt gatgtttgcc cttgagcacc atttgctaaa gatgactatt 240
aggttttcct gcatcatcca ttaagcaacc cccaacccca tctagcccag ctagcctctc 300
ttctacagga agggagtcag atattctcgg ccaacaagat gaggaccaca ctaatgcctt 360
cccagtctgg ccctagaga atttggtat 389

<210> 35655
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35655

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tatgagacta acnctataag gccaaagacag tacacacttg atgatattat agattcttta 120
gaatacatgc atattaatga ggaagtgcac aacggcaaag gaaatggaaa tgattaagac 180

tctcaaattg atgaatctaa aacaagtacc ggtcttgcaa gagagtgtac aacttcaaga 240
tagcatcctc ttgataatat catcggcgac ttataaaaag ggataacaac tcgacactct 300
ctcacagatg ttgataattg ctaaatatga gcaatttatt ataatacaaa tatattggaa 360
atatctttta caatatttat ttagcaatta tgtttggctt aaatgataag aattaatatt 420
cttattattt atcgc 435

<210> 35656
<211> 384
<212> DNA
<213> Glycine max

<400> 35656

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cttgataaag agatgttcaa taaatatttg ttaatataac actgcataat gtataaatgt 120
gtatttttaa attgtagggt ttcaacccat taatgagttg caatctatat gtatacatgt 180
atgatatgcc tggcacatta gattttcaat aaataattat taaataatgg aaacgttcat 240
aaaataaatt agacacagca agtagtaagt gctgttggtta tctatatccc cttactcctt 300
gtccctttca agaaaaaaat accctaaata atgaagagat ttcaaatgtg caactgtatt 360
acatgggtcta caacaggagt tggc 384

<210> 35657
<211> 442
<212> DNA
<213> Glycine max

<400> 35657

cgcaagctta actatttcta aaatgtcata tctgaactaa atcatgtctg cgtaataaag 60
atctgtctta gaccagtaca atcatatgca tcaaagtttg aaagccttca taaaacatga 120
aaatgatttt gtgcatgaaa agttggaaac aacgtgttga aaaaacactt tctaaacatg 180
gcacccctaaa cactgtcatt ttgagtaaca acattctgag tactgtagtc agcacaacaa 240
ctttctaagt gttgatttat cattacataa tttgtggttt cataacaact aacagatatg 300
ttgatttatg tgatgatctt ctgaacatga gcaaatgcac attgacatta ggttttcata 360
ctcatatcca acatttaata atgagtgttg tgactaacca cttaaaaatt cgaacttcgt 420

aagtgttgg acctttgtgt ca

442

<210> 35658
<211> 396
<212> DNA
<213> Glycine max

<400> 35658

agcttatgta ctaattgcct acagttgact ggaaaactta ccgataacaa cctgtcaatt 60
aatacatatt taatgttata tgtattatat actatattct tagaataaag taagatagag 120
aaaagaaagt gatattttta aaatcagaag gagtctcaac aatgtctgga taattacaaa 180
aagagggaaa gaataagaac aaaataaaat cataaggaag aaaaaatata tttgcaattc 240
attaagtgga atggattatc ataaaagtca tcatccttgt catcttcaca ttgagtaggc 300
tgaagaggag gaggaggaga aaggattcat cttgctgtct caggggtagc agaggtagaa 360
aaggtagagg aggtgaaagg tgaggcagga gaggca 396

<210> 35659
<211> 430
<212> DNA
<213> Glycine max

<400> 35659

agctatgtgt aatcgattac actgatctgg taatcgatta ccagcgattc gttctgaata 60
aatcacaaga tgtacctctt cagatgggtt tctgactttt tcacatcgca ttttaagttt 120
tctataagtc ataactcttc taaatgcgcc tcttgaccac acatggagag tctataaaaag 180
caaggctttg ttttgcatth tatatcaatc caatcaatct tatacaagcc ttgaatctct 240
ttgaacttca tcttctttgt gccaaaagct ctacaaagtt ctctggttct ctaaaccttg 300
agaacttgcg ctattcattc ttttcatctc ttcacctct gtcacaaaga attcgacaag 360
gactaaccgc ctgaatcctt tgtgcgcctc tctttgccat tctccaaacg aacgaacgac 420
taactgcctg 430

<210> 35660
<211> 383
<212> DNA
<213> Glycine max

<400> 35660

agcttttggg tctcgctgag tttttggcta ttcacttttc tttcttgtga tgccccctgtg 60
caggtaagaa atgtgtatac ctcttctact gtgaatctgc ctggtgtcag tttatttcat 120
agacttagtt attgagccct cagaggatag agggaaagtc ttccctctca tatagaaggg 180
aaaaggtagc tccgagagtg ggagaatata tttataatac atttctctaa gagtacttat 240
atccataatt tataaacaaa ttttgaaaat taaaagagag cagtagaata agcaaacag 300
ttgaacaatt atatgtttgc atacctatga aatgcaaata tataaagaaa tatatatatc 360
tgcaatttat atgaacagaa tca 383

<210> 35661

<211> 444

<212> DNA

<213> Glycine max

<400> 35661

agcttcatga tgatgaatca aatatgattc aagatgtttt gatgatgacc aagatgatga 60
caaaaagccc aaaagaatta tttcaagggt gagtcaacaa gttcaagatc aagattaaat 120
caagattaat ttcaagtttc aagaaatgac atccagaaga atcaagattc cagagaagat 180
gacttcacaa gggaagtatt gaaaagaatt tttcaaaaaa accaaacata gcacagtttt 240
gttttacaag aaaagttttt ctcaaaattt tctaagttac cagagttttt actctttggt 300
aattgattac tagtttcttg taatcgatta ccagtggtta agtttgattt caaaagcttt 360
taactgaatc tgctatgttc caattgattc ttaaatggtg caattgatta caatatattg 420
gtaatcgatt accagtgtat ctga 444

<210> 35662

<211> 390

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35662

agcttattgg gtctcataga atacttggag atcactagtc atcttcacta catgtttccc 60
agaggtgctt ctatgaacgt ccaggtctta tcctttatca cacatagcat catggcatct 120
tcttatcttg tctgtgtctg tatgaactta aagatcctga gggcagacac tgtacctgat 180

ttcatgtcat cttttcagga gcaaattcag gacctgacac ataagaactg gtggagaatt 240
 acctgcagaa tagatgctga atctttgtgc ctctctgctc tccaagaaga tggcatgctc 300
 cttgatgaca agagccacct ctgatctccc ccatccagtc aaaatcttcc agaanacaga 360
 ccatcaatat ggatttgcag catgtattgt 390

<210> 35663
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 35663

gttataaacc tacaatgct gacaagatga cgatctcttt gcaactgaat gaaagaatct 60
 tacctcgtct gcatgggcca tgaccacaac gggagagggg ccctacttgt cacatccacg 120
 agagctttgc caccacacgg tggatgcata aagattaagt tgctactatc tgacccaaat 180
 cccgatcaca tcagtcgaat tgactgcaga tctgctccct gggctttgaa ttaaaacatc 240
 ggcagatcat cgtccgaccc aggatctctg cgtctaattc aatgtaatcc agtcgtttgg 300
 acactatagt tgtgcctatg ctctacggat tgcttctctt gctgggcata cgctttcttt 360
 actgatcgac atgactatct aatatccaac atcttattcg tgcattcccg 410

<210> 35664
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 35664

agcttgacat atttaacata cttaggaact ttttttgtgc ggtgggaatt ctctaattgt 60
 atcatgtggg ccttttgaaa gtaacaaaca gaaggccagt ctgttgcaag tttgctgctg 120
 aacatcacat tccaccctaa gaaaacacaa ggtggattgc atcgagggtg gataccttac 180
 cttagcacag aaggaaaaag tatgtcagtg caaagtatgg actaaactgc tttcaggaaa 240
 aaagtgttaa aaattgatac aggttggaag aggggaatttt ccttcccggc ttggagtcct 300
 cccaatttaa ggcagaaccc atccactcca atttctgcag tttaaaactt tctctactta 360
 tttagttgtc tcctctgagt tcaacc 386

<210> 35665
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 35665

gagccaaatc tgtctctcct aaaccttgac ccaccgtgag aatgtccatc cttaccctcg 60
 caagcatata agaatacatg ggaaattccc tcttagagca atagagacag aatctttcct 120
 atgaaagcct aacaaagaca agacggaaac ttcctctatc catgagttgg agaacgctga 180
 cagaatagat aggaacttct ctatctacta atgggagaaac gtcaactagg aagaagacga 240
 atgatagata gctcctgatc atggatctaa cgagaaacag aacaaatgtg ctcaaaggctc 300
 tttggaccgg acaatatctg aacgatactg aattgtc 337

<210> 35666
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35666

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 taacattaaa gatattctgat aacaggaaaa tcctgnggat tgacaaatat tacaaaggca 120
 tcactaacat atcattgact ttggaattgc aaagctatct gcaaatcaaa gaaaaatattc 180
 aatctctatg agtcttctgc actttttttt ttttttgaga cggagtttcg ctcttgccca 240
 ggctggagtgc caatggcacg atctcggtc actgcaacct ccgccttcg ggttcaagcg 300
 attgtcctgc ctcagcctcc cgagtagctg ggattacagg tatgtgctac cacacctggc 360
 taattntgta tatttagtat agacgcgggtt tctccatgtt ggtcatgctg gtt 413

<210> 35667
 <211> 314
 <212> DNA
 <213> Glycine max

<400> 35667

agcttcgatt tgctgcgatc cgcgaggaac atgcatcaac cgcaccgatc agtggcaaaa 60
 cagcacaatc gtgaagcata agaggagaca acagagagaa ggacagagag tcaccgacct 120

aggattgcat cttcgtctc ctcgccggtg gtgacagcaa cctcctcgag cttgacgatg 180
 ggagcgacgt gtgctccggt gttctctgcg acgacgacgg cgggtgcctc cttctcttat 240
 cggagctcgg gatcggcgct cgacatcttg tggaaggaga gatggacaca gagagataga 300
 gagagagatc ccgt 314

<210> 35668
 <211> 215
 <212> DNA
 <213> Glycine max

<400> 35668
 agcttggtccc gttgaccata tatcgcttcc tttatgagcc cgatactgtg gtgacaggat 60
 aactgtgact aactgagct ctcattaaag tcaaagagct gcggaggcaa gaaggtacca 120
 aatcatgccg ctgtgaccag tgtccgcact aattatactg atcgtgaagt gccgggatca 180
 ccaacgcttg gcgcgcttat ctcaccgatg ccttg 215

<210> 35669
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35669
 agcttgaagt gagaaagtgt ggaagagtca gtctccctac ttttattcgt tgaccacaga 60
 gtggtacctg gagatatgtc gcgngngtca ggagaccttg nggacgtcag gtgggggtgct 120
 attgccccaa accaagcttg accaatcctg acccaaccg ggcatagtca gttagtgaga 180
 acctgtgacg tacctaaaca ggcgagctcc tggcagtcaa ccgataaaag aacaaagacc 240
 acaaagcaag taggcttggtg tgggtggctgg ccagctatgg atcttgagtg attatggcct 300
 ctggtaatcg attaccaagg gtgtgtaate gattacaagg cttaaaaatg aagacaagaa 360
 gttaagatgg tctctggtaa tcgattacca aggggtgtgta atcgattacc aggcctaaaa 420
 atggngtcag gaagctgaga t 441

<210> 35670
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 35670

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tgccatctgc tctgatatcc caaagtaaga tggtagggtc ccaggcaagt ctcaaaaagg 120
tgccaaaatg tatttttgcc actcttagat gaccaagcat ctcatgtatt agaaaagagg 180
aagaaagggtg aggtagtga gagagtattt ctttgcagag ttgttgaggc actatcagtc 240
ttatccctcc tcctttacca tgatgagaag gatgggggtgt gctctgttgt ctctcagtc 300
ctgagaggggt ttcaaggaga ctattntaac agcttgacct atgtgagtct gtgggacata 360
tggtgtgtggc cataccatt cttggaaaaa actaaaaata agagac 406

<210> 35671
<211> 409
<212> DNA
<213> Glycine max

<400> 35671

agcttgcgga ctataccttc taccaaacac ggccgtgttt ctgtctcggc ccggatctaa 60
ggcggggttg agcaccggct tcgtctcct aactgtactg gaggcggctg acgtggcttt 120
atcctctata gttttctgga cttttaacat gacctccgag atggaagcca tttgatcttt 180
taaagccgat agatcggcct tcctctgttc ctgcacgccc tcttcagtat ccatttttct 240
ggatcgagtg ttataggggt gccttggtgt tttcttagct atgatgaaat tcctaaagaa 300
ataaacaacg gcgagtatgc caccaaaaca tgaatatgca aatggatgat cggagcactt 360
ggatccaccc caaggtttct agataacatg atgatgtcag aacttctca 409

<210> 35672
<211> 453
<212> DNA
<213> Glycine max

<400> 35672

agctctgatg agaaaacttc cttgagaagc ttctttgaga aaacttcctt gagaagctag 60
agcttaggct acacacaccc ctctaataac taagctcaca tccttgagaa gctgccttga 120
gaagattcct aaagaagcta gagcttatct acacacacat ctgtaatagc taagctcacc 180

tccttgagat gagaagctag agcttaagta cacacccctc ataatagcta agctcaccoc 240
catgccaaaa tacatgaaaa tacaaaaaaa agtccctact acaaagacta ctcaaaatgc 300
cctgaaatac aaggctaaga ccctatatta ctataatggc caaaatacaa gcctagaaga 360
agatttacac agaagagtgg acccaacctt ggcccatggg ctcatgagaa ccctaaggcc 420
ttcttttagca gctctagccc aatcctcttg gag 453

<210> 35673
<211> 365
<212> DNA
<213> Glycine max

<400> 35673

agcttagtct ggctggatat gaaattctgg gttgaaaatt cttttcttta agaatgttga 60
atgttgcccc ccactctctt ctggtttgta aggtttctgc agagagatcc actgttagtc 120
tgatgggttt ccctttgtgg gtaacccaac ctttctatct ggctgcgctt aatatttttt 180
ccttcatttc aaccttgggtg aatctgatga ttatgtgtct tgggggttgc cttctcaagg 240
agtatctttg tggcattctc tgtatttctt gaatttgaat gttggcctgt gttgctaggt 300
tggggaattt ctcttgata atatcctgaa gagtgtttct cagcttgatt ccattctccc 360
tgtca 365

<210> 35674
<211> 460
<212> DNA
<213> Glycine max

<400> 35674

gcaagcttat tgggtgtagt actcactact gctgcaatat atttttcaca gagaatgata 60
cctctagata ccatacataag agatatgact accttgccggg ttatcactaa atgcctagtt 120
agatctctcc cttatacgtc ctttaaatat gggcacggag caaacacgct gcggggccatt 180
tttacctgc catgcataag tatcatatac ctttttgctt atgtgcagag aatattatca 240
tactgtgtac atctccgcat tgcgtctttt gcatacgcac cgcataatggg acctgtcttg 300
atcccttctg tatacaaacc aacggagggt ccgtgtcgcc ttcttaaaaa cgtacgctgg 360
ggcactttgc taccctaga cattgtgtct aagaagggtga cgaagtcctc cggacccccg 420

cattcctaga tacatcttgt gtatatgcac tccttcatgc

460

<210> 35675
<211> 396
<212> DNA
<213> Glycine max

<400> 35675

agcttttaag tatctgtcag ggcctaatac atttctgcaa catgaatgaa atggatgaaa 60
attaatttta atattggttt tacattaata tggaagctaa tgtttgaact agatcagcca 120
aagagtccca gtgcttatct aaaaagcaag tgactaatgt atggagaaat tcataattct 180
gtactctaca tacccttttag catttatttt tccttctggc tgtagatttt tacaggataa 240
tagatgattc tgcctgtgga atacctcacc tgattccgat ttttcacttg aattcatact 300
cctctgactg gaaaagaatt cttcatttct atggcaacca gggttttggt ccctgtcccc 360
tccatttaaa attccaagca gatacccttt atttca 396

<210> 35676
<211> 308
<212> DNA
<213> Glycine max

<400> 35676

agcttgagcc taacgatgct cctagctgct gcttccctta tctctaacag tctccctctt 60
tatggctttg gtgatgcccg acttcactat gacaccgagt gcatgaggag aggcttgata 120
tggcattgga ctcttgactc ttagacttat tgtgaaaaaa tctcactact taatacatga 180
cctattgatt atcttcacg tagatgggaa gatctcaagt actatatata accgtgctga 240
gcatgctatg caatgcacgc tatacggact atgcaatatg caatgtctac ttctccct 300
gttggcat 308

<210> 35677
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35677

agctttgctg gtcttacctt atctcctttt ggtccataag gtcccagaag gcctgngaaa 60

tgaaacgctc tacgtacgac gtacacatat gtacctctaa cttcttaagt acaggtgaca 360
tatggggcat ttcgatgatg tactcactcc gacctcttac actggcgagt ctaagagatg 420
agaacctcct gataaacgcg cttgttacac gtctatctga agtgacgaca tggatcatcaa 480
tggccttacc aagctcggga ccttaaatgc cggaaactaa caacagtatc cagtcgtact 540
atactctatt gacattaccc g 561

<210> 35680
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35680

agcttgatga aattcaggat agcacagaaa caattcagaa tactgtcaga caaatttaca 60
aagagattta attaatTTTT aacaattatg cagacatttt ttaaataaaa aacttagttg 120
acatactgca gaatgcatca gagtctctta ctggcagaat tgatcaagca gaagaatcag 180
tgaacttata aacaggctat ttgaaaatac acagaggaga caaaaggaag aaagaataaa 240
aaagaatgaa gcatgactac aagatctaga aaatagtctt aacagggcaa atctaggagt 300
tattggcctt aaaattattg gccttattgg cctgatgagg tagagagaga gagacgngg 360
tagaaagttt attcagagga atagtaacaa ag 392

<210> 35681
<211> 447
<212> DNA
<213> Glycine max

<400> 35681

agcttgtttc taccgttcca attaaggaat ctttatattc gctatgccta atatctctta 60
agcacattaa aactgctaca tctatgccca tatctattaa ggtcttgatg gctacttgga 120
cacaaccgat gtgtaaatac ttgtatttac ggctatgttc ataaattgag ttttttggaa 180
gcaaatgaaa cttttccct atgtcttgtc ctagaggaat attattttct actgttttta 240
ttatataatt aaagttagt ttgtctttaa ttgtttcaag aacatacagt gtatcgtag 300
ggatttctgg gatgtccag tcatccatat ttgatatat atctttgaat cggacttcct 360
catcgaagag attgtgtttt gtggcgacct catgggtctg ggtttcatgc tcattgagaa 420

447

<210>	35684
<211>	432
<212>	DNA
<213>	Glycine max

[The page contains musical notation for three systems of music.]

<210>	35685
<211>	384
<212>	DNA
<213>	Glycine max

agcttgctca	actgttcctg	ttttcctata	aataaagcaa	ggatccattt	tctattataa	60
cttgataaag	agatgttcaa	taaatatattg	ttaatatatac	actgcataat	gtataaatgt	120
gtatttttaaa	attgtagggt	ttcaaccccat	taatgaggtg	caatctatat	gtatacatgt	180
atgatatgcc	tggcacatta	gattttcaat	aaataattat	taaataatgg	aaacgttcat	240
aaaataaaatt	agacacagca	agtagtaagt	gctgttggtta	tctatatccc	cttactcctt	300
gtccctttca	agaaaaaaat	accctaaata	atgaagagat	ttcaaatgtg	caactgtatt	360
acatggtcta	caacaggagt	tggc				384

<210>	35686
<211>	382
<212>	DNA
<213>	Glycine max

agcttctnct tcttttcct ataaataggg gaatgacgga agaacaaaaa gggtcaaccc 60
tcttgggtatc agagaatcac ttaaaattag cgagaaaaat tgtttccgtg aagaaaatcc 120

aagccgaggc gcttccataa cgcttccgag acattttcgt ggggtgatttc gcgaggattt 180
 atcgnCGttc ttcacCGgtc ttCGttCGtt cttCGacgtt cttctgtctt caaCCggtaa 240
 gttCCCGaaa tcgaactttt caattcattc tatgtaccct tacgagtcct catttgtctc 300
 acgtgttctt attgttattt catttacttt cCGtaccCCc ttttgacgtg ctttaatcat 360
 ttattcaagt cattttctcg cc 382

<210> 35687
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 35687

agcttatgta ctaattgcct acagttgact ggaaaactta ccgataacaa cctgtcaatt 60
 aatacatatt taatgttata tgtattatat actatatctt tagaataaag taagatagag 120
 aaaagaaagt gatattttta aaatcagaag gagtctcaac aatgtctgga taattacaaa 180
 aagagggaaa gaataagaac aaaataaaat cataaggaag aaaaaatata tttgcaattc 240
 attaagtgga atggattatc ataaaagtca tcacCcttgt catcttcaca ttgagtaggc 300
 tgaagaggag gaggaggaga aaggattcat cttgctgtct caggggtagc agaggtagaa 360
 aaggtagagg aggtgaaagg tgaggcagga gaggca 396

<210> 35688
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 35688

agcttttggg ttcgctgag tttttggcta ttcacttttc tttcttgtga tgccCctgtg 60
 caggtaagaa atgtgtatac ctcttctact gtgaatctgc ctgttgtcag tttatttcat 120
 agacttagtt attgagccct cagaggatag agggaaagtc ttcCctctca tatagaaggg 180
 aaaaggtagc tccgagagtg ggagaatata tttataatac atttctctaa gagtacttat 240
 atccataatt tataaaCaana ttttgaaaat taaaagagag cagtagaata agcaaaacag 300
 ttgaacaatt atatgtttgc atacctatga aatgcaaata tataaagaaa tatatatatc 360
 tgcaatttat atgaacagaa tca 383

<210> 35689
 <211> 320
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35689

 agcttgtttta attatggngt acccatcaca tgtggnacta ggtggcggtc gggcgatggt 60
 gcacaacaaa gctttcacat ccacaatgcg cgcataaacc caccatcccc tgttgccac 120
 ctccaactga gctcacgtac tcccacgtag cccatctnnc tcgttctctc aacaccgggt 180
 ccccatcaat cctctcaagc ttgcacaaca tccaagcaaa acaacgttca aacagcacia 240
 gctatcacag ccaagcaaaa cagagcaaat gcagaaaact ctgctcaaca catcaaccaa 300
 aatcacagct tttctcacgt 320

<210> 35690
 <211> 532
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35690

 agganagcna nnnnnnnnnn ngggagagcg ggcatagtnc ntcgaacncc ctccccntta 60
 agnnanacnc acagctagnng cgcactgaca cgctaagcct agtggtcctc aatgtttgta 120
 tttttgtgtc gggctaagcg ccagttgcac gctaagccta ataagcttac tggctttnt 180
 tgttgcaatt gggctacatt ntgggttaact tttatagtta acacattttg aggcatgttt 240
 tggttgaata gattgcatga ccgagacatt gtgaactggt tattaatggt gtngaaattc 300
 tgatttttga gtgagcacgc gttggtgttg ggtgatggtt ttgtgaatta aatgcgtgtg 360
 agtgagttgg ttagcttgca tgacangaaa ttgtggatga aaaactaaat gcttcacatt 420
 accgtgtgaa gtgtgtgcac ttaattgcat gagaaccact gaatcaatnt cttgattttc 480
 atgaatctga atttctggtg caacatgatg agatataaca agcctggtgt ta 532

<210> 35691
 <211> 373
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 35691

atgctaataa tgtccttatt gatccatatt gtgtatgtgt gattgcattg aatatgatga 60
tgtgaaaagt cggcgattat aacttcagtc gatttacatg aaatacacat aaccgaaaac 120
acttgtgtgc ttgagagaaa cactagctct gtgaggagtg aaacatagtt gatctttatt 180
tgatacctgt catacttgct aacctatttc aaactctgag tgcattcttt acatgatccc 240
atcatgaaaa ctgtgacaag tgtgaacttg aggattggaa gctaaaattg ttcgaaaagt 300
acgcaattat ctcaattggt gtgattcatt acatcctana cattgtcatt aatctaactt 360
agtgtagtat tag 373

<210> 35692
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35692

atgaaaatgg atttggacgg cagccagact tgttttcaag atacatgta gttataactt 60
ataactaggt aaaattgatt ntgcctcana accttggttt gactagaagc gataaacgta 120
gcatttgtgt tgtgtgaaa attttgcact aagttgtata gcaaacttgc tttcaggata 180
aaagtattca aacataaatc acttcaacttg aaaatcaatt ttaaccanaa tcaattntat 240
aacgccaatt tcattcataa tcaattntgc aaatgctcgc ccaaacacac actccaacac 300
aaaaatcctt gttnttcaaa ggcacacatc tgcaagttag agtatcatag ctgtctatgc 360
aaaggctcgc tgcattactt tatagatatc atat 394

<210> 35693
<211> 301
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35693

atctgaggat cacttgagag tgagtgataa taatcgatct cgtgaagaan atccaagtcg 60
aggcgtctct cgtaactcgt ccgagacatt tccgtaagca aatccgtgaa gattntccgc 120
catccttcgg tcgttcttcg ttgttcttcg gtcttcaact ggtaagttcc cgaaatcaaa 180

cttttcaatt cattctatgt acccttggtg gtcccttctt gtatcgcgta cttttatttt 240
 catttcattt actttccgta ccccttatg acgtgctnta gtcatttatt taagtcattt 300
 t 301

<210> 35694
 <211> 391
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35694

cacaatattc tctaagattc tcttgatctc cctgttaaaa atttctgcct gtccattggt 60
 ctggnggtgg tatggtgtgg ataccctgtg taccaccccg tactttttta gcaaggcatg 120
 cattgttctg ttgcaaaaat gggttccttg atcactaaca atntcttttag gtactccaaa 180
 cctacaaaac agattagacc tgacaaaatc tacaacaact ntagcatcat tagttctagt 240
 gagcttggtc tccaccatt ttgaaacata gtcaactgca aggagaatgc taacataacc 300
 aanagagaca tgaaaagggc ccatgaaatc tataccccag acatcaaaca cctcacagaa 360
 tagcatantg tngtgaggca ttnggtgtcc g 391

<210> 35695
 <211> 205
 <212> DNA
 <213> Glycine max
 <400> 35695

caatccaatc cttgtgtccg gactctcagc cacttatgat agccgccgat gatcccat 60
 ctgcttcccc taagctctct gtcccttctt cacgccgcat cccatgcctt gcgaactcct 120
 tggagtaacc tcgcgttggtg gtcactgaaa ccccggtcga tgaaaggcgt gatgctttcg 180
 tctgatggca ctccctctcat gggac 205

<210> 35696
 <211> 415
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35696

gggcgtagga ttgcangatn tctnacnata nnnaganncg ngaggggttag agngaggggc 60
 ggatgcaagc tacaccttgt ttttcttccc tgacacaaac cgggggggtgt tgatataata 120
 tcccatcgac accaccggga aaagggattt aatataaact gatggagggc agtgacaata 180
 caccatacaa gaacagacac aatggtgaat tgcgacagaa aaaagttacg gcatattgca 240
 tatactgtgg tagcttgact ccaaagagcc tatccgataa cttaccaagg gccaaattaa 300
 aaggatatcc ctacacgaca ggggtaccag gggaaagaca acttccattc atatattaag 360
 gccgatatat catatacctg ctcagcagat ataaaggcta cgacatgaag atgct 415

<210> 35697
 <211> 395
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35697

agcttgata attatggggt acccatcaca tgtggtacta ggtggcggtc gggcgatggt 60
 gcacaacaag ctttccacat ccacaatgcg cgcataaacc caccatcccc tgttgccac 120
 ctccaactga gctcacgtac tcccacgtag cccatctcct cgtttctctc aacaccgggt 180
 ccccatcaat cctctcaagc ttccacaaca tccaagcaaa acaacgttca aacagcacia 240
 gctatcacag ccaagcaaaa cagagcaaaag gcagaaaact ctgctcaaca catcaaccaa 300
 aatcacagct tttctcacgt aaagaccaca gtaacaattc cttcgatcca attcggttaac 360
 ccgtggatcg actccaaaat ntactggaag tctat 395

<210> 35698
 <211> 361
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35698

acatgagggc aatggttagca tatctataaa atatctcata tgtgcttgat ttccttctct 60
 caagtattca gtggttctta gaacacttaa cctgaaagtc taagcaatta agatttaaca 120
 tatcaacaat gggcttgaaa tatngtagag tctactatct cttggagaaa tttcagttat 180
 aagagcaagg gtaacatgga tcaaacattt taatccatgg ctgactagtt tntgattata 240

taaaaacaaa gtagttgatg ttgaagtnta taatattaag aaagaaaaat ttcaatggaa 300
gttacttttgc cttcaggagg gaattgatca atgtgagaat atataaccat taagttacat 360
t 361

<210> 35699
<211> 235
<212> DNA
<213> Glycine max

<400> 35699

agctttctcta tttcttgata cccattctac attttcagca ggcagagggtt ctacaacaga 60
atgacctcca cggccatgat agaccaaatt ggagagattc cccatctgag atggaatcct 120
ccccatgaat ccattaccac agacgtctgg gtgagtcaaa gatgtcattg cacataggag 180
agaacgaatt gacatacctt cttcaaggaa ttcattggcg ctcacgtcaa gatat 235

<210> 35700
<211> 276
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35700

cttgacaact ccttgttttt attttatcaa tacgcagaga tgacagttga gagagtgatc 60
caatacttcg aaatggattt ccactgaatc tattaataga cagatagaga tatcttaatg 120
atgaaagttt tcaaaatgat cttggaagag caccaccaat taagttgttg gaaaaatcta 180
gcatgtcaat atttctaaaa gcctcaattt gatctgtcag attgcctgaa agttgtgaac 240
tccgaacttg cagtgttgtg agtncatggg aaatac 276

<210> 35701
<211> 273
<212> DNA
<213> Glycine max

<400> 35701

accatatgag tattgggata gggaagcgaa tcgtgggctc tatcacctga taccaaacca 60
gataaccacc aaagctatca actctaccat catacatact cgatgcagtg taattcccat 120

agacctttgg tacttttaggc tgggacaccc atcagctgaa agaatacaat gtatgaaaac 180
 ctattatcct cttctgtgac accctgtacc cttcacatat atattaataa acgaatgaaa 240
 agtcaattat taattaaaag tattttttaa aca 273

<210> 35702
 <211> 241
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35702

accgttcagt tgaacaagat gagattgcct acggcatttt tctagagtct aataccactt 60
 tgggagctct tctttntca tgttctccat tttctttgat tcttctgggt tttgggtctct 120
 cattaccatg agaggctaac ttacctattg ttgggggctt ggatacaaaa cactgatgta 180
 atgatctcta ctattccatt aatgctatth taatgggtatt gcttccttct atgataattg 240
 a 241

<210> 35703
 <211> 489
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35703

aggcagccct ttggctgcta nactgccnan nttaggtaag acgcgccgat ctatgagctg 60
 ccctgtggca tgcaggctct tttacttttt tcttggccag acccattcag cgtaggtata 120
 tttccggttg atgttataga gatgcgcctg gtgatcgcta ccacaggagt ggtgcattgt 180
 gccacagtct tactgcacaa cttcacatat agaaggcgct gtatgcccag tagcatactt 240
 tccagacata cacgtatact cagctttgac gagaacaaac gatgaacatt ggcattggcg 300
 aactgatggt ttgacagttg accccacaga cctgaagacg agagccgcgt atcaccattg 360
 atatacagaa tcaacatatc gaagtcttgc ttcgcttaca caacagagta gtatgcggat 420
 gcttaaataa ttggcgcgga gaatgcgcac ctaatatatc atccatgcat actatgcgct 480
 cttganaag 489

<210> 35704

<211> 399
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35704

 agctntatatt tattntatat atcatatttc tataatctaa tgtattttta tcacactatt 60
 caaaacttat ttataaaagt aaatatataa tataaattta tctttaatgt atattttttt 120
 acataaatta taatttcata aaataaaaagt attttattat cttattaata ttatatatt 180
 tgatttaatg acaatatctt ttatctatat taacatatcc ttgttattta ttatattagt 240
 attgctttta ttatatatta actctattta atcagatata aattttttta aaagaagnta 300
 aatatatagt aaagttacat aattactatt ttctattttt taaaatattt atgtatataa 360
 attaattcgc attatttttt tatctatgct ataataaat 399

<210> 35705
 <211> 369
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35705

 tataaaactc agcttattca gacaagaaat aaagatttnc agatggatgt tctttatttc 60
 tctagagtct tagaaagggt atatgaaata ggaagggaat tccaattgaa gtacccaaaag 120
 gtttgccaa gaaatttaag ttaaaaagtt tttttcaaca aatttactct ctggtaatcg 180
 attaccagag gatgtaatcg attaccagtg gccaaaactg atttacaaca actattaaaa 240
 tttgaattca aaatttgcatt tgtgtaatcg attacacata tatggtaatc gattaccagc 300
 agtttctgaa tgttttaatt caaattttta agcttgtaat cgattacaca tatactgtaa 360
 tcgattacc 369

<210> 35706
 <211> 527
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35706

 tgagtnnanc nnnnnnnnnn nnnnnnnnggg gggtagctgn cacttagcna tcgacnnnca 60

atttaantna gctngcgcgc cgggatactn tagagtngan gtgtaggcat gcatatttct 120
 ttatatatta ttcgccggaa tcggacgtag agtgtgataa gttatgacca tttgaatttc 180
 tcgagagctt acgatgttga atatatagcg tatcgatgta ttatgcgctt taatcagact 240
 ttagtgtgat aagttatgga gatctgaatt tgttgagagc tatggatgat aagtaatgag 300
 cttatttata taatgtactg cttaatcggt ggtaagtgtg ataagtcatg acaatatgta 360
 attatcgaga ggggtcgggtg ttcgttgcaa agatcatgat atatttagaa actgagttga 420
 gttagatttg caaagttatg acgaatttac ttttgaatag atttcataga ggatttcttg 480
 agtatagata tatttgtgga ggaaagaaat agtgtgaact tcttaag 527

<210> 35707
 <211> 545
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35707

aagtnccnc nnnnnnnnng nnnngnnnnn nnnnnaggn gagcttcatt cctctgtcat 60
 tctctctgac actgnagaca caagcccgcc accngcactn cctggagggc ccaagnnggn 120
 cnagnngcna tttgttcccc ccccggnnac caaaanccac cgggggcctt gnttgctgat 180
 tntttttccg taatgttacg gaactttacg aattccgtaa tgataatttt ttccttccgt 240
 aatgttacgg aaccttacgg attacgtaat catccctttt ttggctttcg aaatgttatg 300
 agacctcacg gattgtgtaa caatgcttcc ttttgatttc cggcatgtta cngaacttca 360
 cngatcgtgc aacaatgctc tcttttgact tctggcacgt tatggaactt tatgtattgt 420
 gcacaatggg tgccaatacc tcgaagcgtc aagcaatgtt gctgccataa acaatggcca 480
 cggacgaaat anggtataca gttgccctct tactaccttt atcgagatag angaaacaac 540
 ataaa 545

<210> 35708
 <211> 383
 <212> DNA
 <213> Glycine max
 <400> 35708

agctttatta tttattcttt ctccctatta atatatcttg tgttggtaaa tccacacatt 60
 taattaagtt actaagttag tcaattaatt aagctcagct taacatctag cagtatatat 120
 aaacatgcac ggaaaggaag gatagtttaa atatatatat atattcttgt ggtatttcag 180
 taacctacat aaattatcga ctctgttggtg taattaataa actctacgtc accagtatgt 240
 agaatatata taaaagatat aaacaatgag caaacagcac cagtgggtcta gtggtagaat 300
 agtaccctgc cacggtacag acccggttc gattcccggc tgggtcatat tgtttctaac 360
 tttttatcta tgcagtctca tca 383

<210> 35709
 <211> 315
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35709

agttatatat ctggcagacc aatgactact atttgtgtag ctaatatgta ttaattcttt 60
 atcattgaag acannaatth attccactta taacatatan gttaagaaaa gcaatctcat 120
 tgtttttaaa tatatttcta atttctagta tctttcttaa ttgntacttt gatatgttat 180
 agtttataca ctattatntc tctcttttga taagggtaca tgggaggaaa taataattta 240
 tgccaaaaca cagataaata gaactaattt ttttctcaaa atgacatata cangaaatga 300
 ngcatacttt ttttt 315

<210> 35710
 <211> 380
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35710

tagcttangg atagatatat ataaaattgg aatagctgag gacaaagctt gcaacataac 60
 anagctcaga ggtagattcg gaaagataag tgtcttctac taacaaaaac aatgctccta 120
 agttgataac ctgcttggtgac ttgccgcagt atgcaatctc aatcccagct accttaaagg 180
 tagatgccta agcctcctta ttcttaacac aacacgcttc tttcatgaat aagctcccag 240
 cccctaaact actgtaataa aacaagaaaa ggtgacaggt ggtactgcta ccatgtaatc 300

attccgtaag tatgtttaaa ttgctgtcac aaatTTTTgt tccanacaac ttgcaattat 360
 attaaaaaaaa ttcattctatc 380

<210> 35711
 <211> 271
 <212> DNA
 <213> Glycine max

<400> 35711

agctaattgta ttctgggtac ccaaacctcg ataaccacag tgtgagattc atctatatca 60
 ttcccttteta tctctgccat aataaagaca gcgaaggccc taccgccttg agtgattcaa 120
 gagcaccttg gttgcttcac cagactaaca caagacttgc ccgctgaact ctcttgagag 180
 agcgatctct ctctgtctag aatccacacc cagcagctct cagaccacaa ttgcagacca 240
 ccccaactata gccagaatga ctaaccggcc g 271

<210> 35712
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35712

tgccgccgcc acctgggact tttgtcattt tctttaccaa aaccagtcac tgaaaaagtt 60
 atgacttttg aaagaatctt cacaacaag tcacttgaag aattgtgact cttggaaatg 120
 tgtctttcga aatcagtcac tggtaatcga ttaccattaa ggtgtaattg attacacatc 180
 aacagatgtg actcttcatt ttgaatattg aaaatcttaa cgtgttaaaa cactggtaat 240
 cgattactac attctggtaa tcgattacca gagaataaaa ctctntggta atgattctgt 300
 .gaanacttct tgtgctactc aatgttttga aaaacttttt aatacttatt ttgatagagt 360
 cttctgttga ttcttgaatc ttgagtcttg aatcttgatc ttggatattc ttgaatcttg 420
 aatcttg 427

<210> 35713
 <211> 209
 <212> DNA
 <213> Glycine max

<400> 35713

tatagaaact cagctcatgc tacaacatt tataatagat ctctcaaca gccaaaccct 60
 ttttcttcat aattattatg aaccttccaa ccattggatc cattccaggt tggaggaatc 120
 atccaaatct gagatggacg agtccctcac aacaacaaca gcctgtcctt cctttctaga 180
 atgctgctgg tccaagcaag ccatatggt 209

<210> 35714
 <211> 405
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35714

agccttgaac tattgtttct tgtcccctga aaaccattaa ggtggtaaaa attattgggt 60
 tgaccggaaa tgacatcgac aagtagtggc cacaaatgaa taaaagggtg acttcatact 120
 tttttcatcc aaacagaagt caaatTTTtac attgtgttgt ataacacctc ggacgaatcg 180
 caccgaaatc aaaggaatct agaggctcta cangtatgag actgtatagt tgaaaaatgac 240
 ttaaaggaat taattgatac tacttatact aataagatgt atttactttt cggtagctca 300
 tcacataaga actccacagt taagccgtgt tgactttgag taattatgag atgagtgacc 360
 ttttTgaaa tttcttggaag agtgtgtgag tgatgaaaaa acatg 405

<210> 35715
 <211> 308
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35715

gcttaataaa gtccttagtg atccacatta tgcattgat atagcattga ctgagatgat 60
 gtgcaaagtt gaaaactcta ctatttagtt gttataattc anacactttt accgagacac 120
 ttgtangatt gagagaaaca ctagccttgt gaggattaga agttggatgat tattcctagt 180
 gatctgtcat tcttgctaac catttcattt gaagtacatc tttgtctact cttttcatga 240
 acttatgaca atttgtaact tgagaattga ccaatgaagc tttttggaat gtatgtagnc 300
 atctcatg 308

<210> 35716
 <211> 374
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35716

tgctatctta cgcaaagagg ggtgctaata tctctgattn tagaatgaac tgacccctca 60
 cctagaaaca gctganacac gtatgtgtgg aatatectac tatttatata aacatagagg 120
 ccatccaaca catttctaatt gtcatacata tatgcatttg aaaagaacat acattctcac 180
 gcgcaaagca ttgcgtcaaa actcacactt aatttatata ctaaacattt gctatntaca 240
 aactacctac gtatgtttga aatatatata atacaaattt ttattgcttc actcacattt 300
 attcatattg gcaagctatt tacattatgc acacacttgc attcaaaagg gaattccgtg 360
 ctatcataca ttca 374

<210> 35717
 <211> 586
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35717

agtcnacan nnnnnnnnnn nnnnnnnnggg gnggtacgga cnttgaccgg anatgncgtn 60
 aacnntatct agctaggcac cgcagggatc actatagaag teganctgca tggccatgca 120
 agctnnatta aattcgntat atatggtnnn gaaaacaaag ccttgaccgg gcaggggtgag 180
 tacacttaag ttctcatcgg cgatcaatct ctcttcattt tgagttattg aatgacaaac 240
 cgccatgaga tcacattgca tataactcaca agagttatgt gtggagtaat aatactgctt 300
 tctctgtttt aatatgtcag atgatatttt aacttgcagc caatgatctg tgtttgctac 360
 atgaagagaa acaatttctc tataagaatt ttgacatgaa tgatatgggt gatgcacct 420
 atatcgctcg cattaagatt catacacata gatctctacg tatcttttgt ctatcacang 480
 aaacctatat tatcacaatt ctagagagaa ttttgatgaa agattgctcc ctagtgtttg 540
 ctccattgtg aagggtgata ccgctcagtt cgaccaatag accaag 586

<210> 35718
 <211> 288

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35718
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 aataccatca attcgggtttt gtctaagaac accatcattc cctcttctcc tcctttcttc 120
 ttcattatga tctctattct ccatttgatc caacctctca tggagcgcat catctcgttg 180
 tttcattaac ctctccaaat gttgcatcaa agcttgcatc tggaattgcg aaagccccac 240
 tccatcatta agattagtac ctgacatctc atacaaacaa atcaaacg 288

<210> 35719
 <211> 266
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35719
 agcttctata tttgctgaac cattntatca ataaacacaa gttgagtttt attcagaaaa 60
 ttagagttta tctcttttat cttagtgaaga gtgattctcc taaattcttg agtgattcaa 120
 gaacaccttg gctgtatcaa aggactttca caacctttgt gtgttgccct cgctggaaag 180
 agtgattctt tccttccttt catcatcacc cttgttcttt caaaccacaa ttccagaaaa 240
 tccacctctg cccagaatta tctcgt 266

<210> 35720
 <211> 483
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35720
 aaccgcgtag gtttagtgct cncncntnn actacgtgg tcgaggacta ctcggggaat 60
 gaagaacata tgatctttga cgacgtcgag aacggcagag cgttgcgaaa tcttcacgga 120
 aaacgttacg gaaacgtttc ggaagcgcct cggcttagat tgtcttcacg gaaacaatcc 180
 ttccaagcaa attcgataga gagagaagtg cctaaggggc taaaccntt tcttcttcac 240
 ttctctcccc tattatagca naatagggga gatggntgcc gccagctcg cccaggcgag 300

ccacgttgct tcctccagaa gcaatagcct tctggaggaa atcttctgan gggcccagtg 360
 ngcctgggtgc tatttgcacc ccattttact aatacacccc ctttgcttat tttgggaatc 420
 tttttcgaca gttacggaaa ctacgaattt gggacgatac ttgttttctt ccgtatgtac 480
 gga 483

<210> 35721
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 35721
 agctcgtttc tttcacaatt gacaaaagag tggtagtagc agcctggctc caccocatct 60
 gttaaagaac tcggctgctc aagtaaagaa tcatattcat tcaactatata ccccaaagga 120
 cacagctttc tttgatttca ctctagtgt aaaaaccttt ctattttttgc ttctttttct 180
 ttcactatat gtgcatggaa gacgcaaatt tgtgaagtgg ggtgtttgat attagaagat 240
 tgaagtgttg aagagtgggt agttaatggt tcaatggaca ccatagggag attagttgct 300
 gggactcata acaggaatga gtgtgttcct atcaatgctg atgaaactgc aagactgagt 360
 ggactctatc tgctgatgt ctcaattcat ctgaacagtt tgaacttaca 410

<210> 35722
 <211> 251
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35722
 ggggaagcat caaggggatg ctaactgggg tatggcggct ggtgatgata tgtattcatt 60
 gtacattcgt taggatcatt cacctagtta tggtttatac attttnaattt ggagcatttg 120
 acacagaaag gtctaccttt tgacagaaat ggttattaac atatgttacc tacagcagct 180
 taattcttta taggtttctg cttcagcatt atatcttgct tatggccttag gttttgtag 240
 gttcttattc t 251

<210> 35723
 <211> 222
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 35723

agctctatatt ttatttttagt agtgacccac taacctagaa tgaaaataac ttantgccat 60
taacctacgg aattaaaaat aacttaatgg ctgagtgtga ctgacattat ggcaaccaa 120
tgtcacccgc agcagccaac aagtcagcca ccgtttgggc tccccaaaag ctgatgccta 180
ggttgccaat tggggccctta ttacaacttg aaacacacct ac 222

<210> 35724
<211> 288
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35724

ttgaacgaga tcagtatatt cattgcacac ataaagtcgt ttacgtgggtt ggngatatct 60
tntggggggc gctgatgcag tgaagttagt caatgcattg aattnggagt ttttgataaa 120
cagtacctac aaaacaaaca ggtacagact ctactgctt gattntgttg gggtagacacc 180
aactgggatg acattctttg ccggctttgc atatctggag ggtgaacgtc ttaataatgt 240
ggtttgggat ttataacgct tttgaggtat atttttaaga tgtgatgt 288

<210> 35725
<211> 362
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35725

agctntgtta tttttctatg cacccttagg ggnnccatct tgctttggat ggtttcatct 60
tcatctcgtc tacttttagt attccttttc tgtgttttaa gcgagtttcg accgatcggt 120
taagccgtaa tctcacttaa tcgatgttta aatgaatttc aaccaaccat ttgtgttgta 180
atctcgttta atcccccttc aaataaaatc cagccgattg ttcacgctat aacctcagtt 240
aaaaaccaa aaataataaa atatatgaaa ataataataa aatatatgaa aataataata 300
aaataattaa agatctaaaa ataagaataa ataataata atgtccgccg acatttactt 360
tg 362

<210> 35726
 <211> 301
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35726

 catcagacca cttccagggt gctggaacta cttcacttgg ttttatgggg cctatgcaag 60
 ttgaaagcct tggaggaaag aggtatgcct atgttgttgt ggatgatttc tccagattta 120
 cctgngtcaa ctntatcaga gagaaatcag acacctttga agtattcaaa gagttgagtc 180
 taagacttca aagagaaaaa gactgtgtta tcaagagaat cangagtgcac catggcagag 240
 agtttgaaac agcaagttta ctgaattctg cacatctgaa ggcatcactc atgagttctc 300
 t 301

<210> 35727
 <211> 372
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35727

 atcttttgggt tcatgcggng aacgcctcta gtgcaacacc cgtgcagcct aaggcaccca 60
 cccagaagga agtccccaa gttccaactc cgaacacgac tgcaccggcc ggtaattaca 120
 acacgacaag gaacttcctt ccgaggccat tgccggaatt caccocgctc ccaatgacgt 180
 acgaatatct tctaccatcc ctcatcgccg atcatttggc cagggttaact cccggaaggg 240
 tctcgaacc ccctttcccg aagtggatg accctaagtc aacttgcaag taccatggag 300
 gtgtcccggg gcattccgtc aaaaaatgct tggccctcaa gtacaaagtc caacatctaa 360
 tggatgctgg at 372

<210> 35728
 <211> 309
 <212> DNA
 <213> Glycine max

 <400> 35728

 agcttcattc tttatgagac gaaccattcc aagtgttgga gaagatcaac gacaatgcct 60

<211> 380
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35731

 cactatctca tnggtgaata cactgcatac atgttggttt gtatctatgg cnaaactgaa 60
 gacgcgcggc agtttaacta ctttcgcgtc acagcccccngaagcagcc ggacctcatc 120
 aatcaactgg atacactcgg agacattctc acggggacaca aattccaatt acacatgtac 180
 acaacactgc agatcaataa tcatataatt ggcatgcacc ctaaaatcta agactaaaag 240
 tgcgacataa atcatggctg agataataat atgctctatc agcaatgtgg aaagaccatt 300
 aatagtgcga acatcttttt gtttctttta atatgggtac aatgtaaaca tcgagtactc 360
 gatatttctt acacacaact 380

<210> 35732
 <211> 331
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35732

 tactaaagtc tcttatgcgt gtggatcaaa atgtatgcat gcatgtaaaa tgattattnt 60
 aggaaatcat ttaaataatc aaacatatat actatgcaga anatactagt gaagtagtat 120
 ctaacatgct gtgaagatct tacgaactaa tcaaaggtag aaaatgtagg ctttctcaaa 180
 ggttacgaca ttaatattag tgttacgagt cttgaaaggc actataagtg tatggatagt 240
 gggccataag ataattgttc agcatcacgt agtgcacaaa tgtcacgaat ccaccaccac 300
 ataacatggc ccattcaaaa ctcaacgtac t 331

<210> 35733
 <211> 339
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35733

 gcctacacat atgtatttgc caccttacc tagttagaaa taaaggcaat tatatttttg 60
 gcagcctcat acaaagcctt atcatacaag cggtccctaa caaatgtaaa agttgaaaag 120

aaatgttctt cctctagaga ttgagtgaca ttgagttaaa ctcaactaaa ttataaacac 180
 acaccttaga catctntaat gaaggatctc agagatggat cttgcactca aaatctattc 240
 ttgccaagat gcagcactag agatgcaggt gggatctcca tgaagaacct cactgctttc 300
 aaaaacaaat aatggtctaa tggctatcaa cctatcatg 339

<210> 35734
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35734

cactcagagt tgcgatgaag acgatggcac gggcaacacc agagttgcgg cagagacgaa 60
 gatatgcaac agacgtgagt gaattanggt gtggagctaa taatatttta naaaatcgag 120
 ttcattagca tcagttttct aaaaaaacg atgttaactt atcatttacc aacatcgggt 180
 ttgtcaaaaa ccgatgtaan ggagtgatgt aatattaata tcagtttttt aaaaaaatca 240
 tgtaactta 249

<210> 35735
 <211> 293
 <212> DNA
 <213> Glycine max
 <400> 35735

ggccttcctt caccttctgg tctccaatgc gaactttgac cattgttctt ccttcccgca 60
 atgcttcttt tatagcctaa accatacttc ccacgatttc cttgagtatt tatcaggcta 120
 gttatgccgc cggtgttttt tcctaaaccc atcccgggtt caaaaccgtt ccccaacata 180
 actcggggcca tcattaccgc tgcacgggac acacaagggt gcccaaagag ggtgtccacg 240
 gaggaaatgc tgaccacctc aaaagactgg aaagcagttt ctaacgattc ttc 293

<210> 35736
 <211> 332
 <212> DNA
 <213> Glycine max
 <400> 35736

ctaagctctc acagatgtct tcacaataat catcacacaa cagaaaacta ttatttctcc 60
 cctcatattc tccaaaaccc cggtcccgtc gaaattcaga agggaaggaa ttccacccaa 120
 acctgaaatt ttgaagtccc actcgtagcc acgcacttca cgactccaaa aatgctctcc 180
 tttcacgaat tggggcagaa atggtggcca aagggtgaag ctttgctttg agcttcaatg 240
 gagaatgaag aagagaaagc tacgtgagag agggagagaa aaggcttctg aatttctgct 300
 ttggctgagt gaggagagag aaaagctttt tg 332

<210> 35737
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35737

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 gggttaaagg gcccgggtatt ggctataata attgggtgaa gtgatgcang gaaatgtcaa 120
 gcataactgc attgaaacca catgataaag ttcttttcaa aatgacagca aatttagtaa 180
 gtgttctaga tcatgggtcat tcaaaagaaa ttggattcat gagtcanaat tcagcattca 240
 aacatactat ttgaatgat 259

<210> 35738
 <211> 518
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35738

nggccgctta aangactgag agtgcccana ncatacacac acanccccgn aggaatctct 60
 aganaacttc aattatggtg gacaatttct tattatcgtg ctggaaacaa atgtntaca 120
 cgtggagtaa tgacatgcat gcctctataa cccttaccac ccactctgac ataatgccga 180
 gactcacgaa cgccaacagg cttagccttc tcttaataata ttgaacacaa ttcaatggct 240
 tcttctgcaa tgtacctctt aacattggat gctattggac gatatagatc ctttgtatac 300
 ccttttaaga tcttcatgta tcgctcaacc cggtacatac accgtagata aacaggacca 360
 caacatttga tttctctgac catatgcaca atcaagtga tcatgacgtc caagaaagct 420

acgtgaaaac acatctcaaa cttgcacagt ataactgtgg cctcattatg cactcatcaa 480
ctngacanga tcaatgactt gctaataata catggaan 518

<210> 35739
<211> 309
<212> DNA
<213> Glycine max

<400> 35739

ctccatattcg aatttcccgga gttgttaatc cgccagggaa tggatattac attcagaagt 60
gggatctggg atggcactcg ttttaattca catgattggg tattcaatga aattacagcc 120
ttcaggccac acatttcagt gtctagcaat gaggtagtgt attgtgatga gcctggagat 180
agattgtcaa cgtttgtgat gaggggtgat ggactgcttc aaagatatat atgggacaac 240
aaaactctaa tgtggattga gatgtatgag ataagaaaag acttttgtga caattatgga 300
gtatgtggg 309

<210> 35740
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35740

ttaagtgtat atggattttc ttgcccacag cnttttggg tattttgatg gatcatagat 60
ctcttgtgtc ggtcttaatt tgctatgtct aattcgggtc taattattac tgacagctta 120
ttaacaaaaa tttcttctgt tcaacttgac gatcagatca gatcattcat taatgggtttt 180
ttaataacac gagcactagc taaaagaatt aaaaagtgac gcgtaaacac agtcattaga 240
tattgttaca attaataattt tataattcta tgatgacttg atatataata acaaataatc 300
agggttgata cacagcaaaa atcagaattt tttttaagaa taagtttcag attacaaatt 360
attaagagaa gtgataaaga atcacactta atc 393

<210> 35741
<211> 230
<212> DNA
<213> Glycine max

<400> 35741

agcttgccctg tcttatgcat cagtaatgat ggcccagatt atgttgggga acggttacga 60
 acccggaatg ggtttatgca aagacaacgg cggcataact agcctgataa atgccaaagg 120
 aaatcgtggg aagtatgggt taggctataa gccactcat gcggatatga agagaagcat 180
 cgcgggaagg aagagcgggt gtcaaagctc gcgttgagga caagaaagtg 230

<210> 35742
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35742

nggtagcccg atcgtagcta ctgatcaana caaccagga actagacttg tagcttcattg 60
 cagaaacatc ttgttaatta acccaaatta gtttagagta gagaacatga aaatcggact 120
 tgctagtaga atcgggctgc ccatgattgg aatctgcctt aataacgtgg gaaatgatat 180
 caatggtgtg cgatatatgt gaaatgtacg ggcattcaat tcctcgcaag atgaataata 240
 gtctcctaaa tgaatgttga tagcgtggaa tgctttttaa tgcaatatgt gcagatgtag 300
 tagctttcca tatgtataa atagattgag cgaacaatga catttgatgg cgacttcaat 360
 gttgtaggta gttggaaaca atgttaggta taaatagtgt aagttgacca cccttgacat 420
 gaagtgggtt ctttcagatg atn 443

<210> 35743
 <211> 220
 <212> DNA
 <213> Glycine max
 <400> 35743

agctctatgt gtgctgaacc actttatcaa taaacacgag tcgagtgtta ttcagaacac 60
 tagagcttat ctctcttacc ttagtgagag tgattctcct aaattcttga gtgattcacg 120
 aacaccctgg ctgtgtcaaa ggactctcac aacctttgtg tggtgccctc gctggagaga 180
 gagattcttt ccttctatc atctgcaccc ttgttcttcc 220

<210> 35744
 <211> 264
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35744

tcggttaaaa catccaaagg aggcttccat tgggaaatga caatgccaca cgaggattgc 60
gcaacttcac tccctaagaa gtatttgagt ggacccatgt cttttgtctg anactgacta 120
tggagacgag atctaagtca gagaataccc tcagaatcat tgtcaataat gacaatgtca 180
taaacataga caacaagcta catgcaacga ctagatggag aatggatgaa aaacaccgag 240
tgattagtct cacaatgggt catg 264

<210> 35745

<211> 412

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35745

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cgcttgcccta tttgtgatga aggtagaaag aaaggatcca aactatactt cagtgaagag 120
atgcccaaca aaagacaaaa ggtgtagatc actaactatt caaggtactg gaggacctta 180
ttcagcaaca acaagttggt gaaggagtgt gacaatcatg atgcttacac ttcattggaat 240
tagactgtat ggtttgatat aatgaatgtg tccacttcca actatgtaga ttggcccatt 300
gaggatgatc acaaggactc aatatagttg ttgcatccaa tgaaggata ccactctgat 360
gatgtctctg cttgctntat gaagaatcca aaagatggat tcatcaagca tc 412

<210> 35746

<211> 150

<212> DNA

<213> Glycine max

<400> 35746

tcaaccatta aaagaacaaa aaccacaaag caaggagcct tgtgtggtgg ctggccagct 60
atggatcttg agtggatatct ggaatttggc ctctggtaaa tcaataccaa tgggtgtgtaa 120
tcgattacag ggcttacaaa tggagacaga 150

<210> 35747

<211> 268
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35747

 ggctgcaact ttatatTTtg tctagagacc gctaccccag ccaagctatc ttggagaaag 60
 catancaact tctatccctg gaatacgcac ccatcttgcg aaatacattn tgagatgatt 120
 cttatgacaa gtcacccctt tgtacctatc aaaatcaggt accttgaatt tcggtgggat 180
 gacaacatcc ggcactaaga aaatatcagt catgttcgcg aatggatagt cgccaaagcc 240
 ttcaacaacc cttaatctct tttcgatg 268

<210> 35748
 <211> 176
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35748

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 cacctcaaga ccacttgaac tgttacatat taatctatTT ggtccaacta gaacaaactc 120
 tgtcagtggg aagagatatg gtctggtagt agtggatgac tcctcaagat ggacat 176

<210> 35749
 <211> 127
 <212> DNA
 <213> Glycine max

 <400> 35749

 agcttcttat catttaagtg tctcatctca attcccaatc acagatatgt tatacataga 60
 ttgtgcgagt catttcccat caaatcaagg ataatgcgca tgatcatcat ggatcaatat 120
 gtctttt 127

<210> 35750
 <211> 260
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35750

cggccgttac aatcgggtgag tacctcgagg aagttgagga acggaattg gtaagtcatt 60
 caatattgaa attttaattt taaattcata tataaaaatg aaaatttgaa ttntattgaa 120
 attaaattac tttatccaaa caagaaaatt aaaatacaag aatttgaatt gcctcatcca 180
 nacaaaatat ttacaaaatg aaaggaatta aatcagggca tcaaaatgtt tgtatttaaa 240
 tttctagaaa ttttaaactt 260

<210> 35751
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 35751
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 tattggctat agttcttgta gtttctataa tattcttaaa tcgagatttt cctatgctgt 120
 attttgaatg tatagctatg tctctttata tcaccaatgt ttttttaatc agctaaagaa 180
 aatataattac tgatggtaca aggagtacca tgtctcgtat acgattgtgt gtatgatgcc 240
 cttcaaccga aaacaatgca gcctccctaa tgcagagaat aaattacatc ccatttaaac 300
 cataacatat ctcagcaact gcaattgaaa cccgcagcct gcataacaac aaatcacagc 360
 tgtccaacta actaaactaa aactaat 387

<210> 35752
 <211> 366
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35752

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 gaacttccgg gaaggccan atgggcctan ttgctatttg caccctttt actaaatata 120
 ccccttgcc tttntttgct gattctttt ccgtaacatt acggaaactt atgaattacg 180
 ttatgatact ggttntcctt ccgtaatggt atggaacctt acggattaca taatcatccc 240
 ttttttgct tctagaatgt tacggaactt tatggatcgc gactaacac ttcctntaa 300
 tttctggtat gttacggaac ttcacagatt gtgctacaat gctttctttt gacttccgac 360

atgtct

366

<210> 35753
<211> 350
<212> DNA
<213> Glycine max

<400> 35753

agctgtgcg tttattacat aacttaacca agagtgatat cttccatttc agatcccat 60
caaaaggaga aagagaattg atatcatcag tgactaacag aaaatgaagc aaaacttgat 120
ggctcttttg attggattaa ttggtgcagc cgtcacctta ttgcttact cacaaacctt 180
cgtatcacca agtctgtgca tcacacttgg ccttattgtt ctcatgcatg ttgggcttgc 240
ttgtaagaga aggtctgata tctttctaata ttcttcttgg ttttcttttc cctttcagta 300
tttcttcat ctatgtatat gccttggtta tgtgcaataa taagtctttg 350

<210> 35754
<211> 173
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35754

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ctttgcttga tgacatgcga cctttctttg gtccttgcca ggtgcttggc acccatcatt 120
atggcaattg tgaaattccg ggacatgccg aanaagaaaa aaaaatattg atg 173

<210> 35755
<211> 377
<212> DNA
<213> Glycine max

<400> 35755

acctctggaa gtttttctct tattgaacct cctaaagaaa gctacataaa gctgcctcgg 60
taaaaacgct tcccagcctt tgtaaacgct tggatcttct ccaaattggc ctgcaccttc 120
acacgacact tgtccatgat atgaccgttg ggatctttga cgcaatatct ggagtgtgct 180
cgatgcttcc gttcccaaga gcatttctta tttaagcaact tcagcctttg ctgtcgtgta 240
gattaggaaa aacgtcattt cttcttcttt ctttcttcca aagccatttc taaagttcca 300

agcactttct ccatcaccca cagccaccat tagccaccac aaaccatcat tgttctccat 360
tgaaaaccca caccgag 377

<210> 35756
<211> 281
<212> DNA
<213> Glycine max

<400> 35756

tcaagtgttc gcgatatgtg aaaatgatgt tccgagtact tcggatttgg tccgaccatt 60
gccctctgat ttccagctgg gaaattggcg aatggaggaa cgccccggcg tttacgcaac 120
aagcataatg taaaccttta cggttttaaa agctctatag ttgggcctat gctttagagt 180
tttctttttt gtaaggcttt gtggcttttg tttttgaatt tataatacaa ggatctttct 240
tcattctgttc ctggtctcta cccattctca ttcatttgca t 281

<210> 35757
<211> 350
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35757

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ncaaattcca accctgggtga gttttattcc acccgattcg gacatctgtg tgaaaagtca 120
tgatcatttg aatntctcga gagtttccga tgtttaattt cgagcgtatc gatataattat 180
aaccctgaaa tcgacctcag tctgaaagtt atgaccattt gaatttgacg agagctttcg 240
ttgttcaatt tccaatatca ctgtatgtga tgcgcctcaa tggacattcg agttanatgt 300
tatgaccatt tgaatttctc aagagcttcc gttgttcaat tctgagcgtc 350

<210> 35758
<211> 202
<212> DNA
<213> Glycine max

<400> 35758

tgtgattagt agtatgactg aaaatggttag tcagtttgctc agattgattg tgaaggaatg 60

cattaactgt atccccggtga gagtgtgatc ctttaaattt tgagagaaac gactatcatt 120
tagtactgga ttttgcata ga atctctgaag tatggactga atgcatgaaa ttgaggatga 180
tgaaggccat gtttgattgt ga 202

<210> 35759
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35759

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atgtcacata tgtggaggaa cacatgagtc agacttatgc atggccaag atgacatatc 120
caatgaagtt aactacatgg gcagtcataa tcatcaagga ttccatcaaa gaggaccacc 180
angattctat cagagcgata attttttgca ggaccacgat tggagatatt atgcaagtaa 240
taacttcaac caaggaggtt gaccctatca tcatcctagc caggggttcga gtcagcaaga 300
gaagcaatct ctcatatag aggaaatgct ctta 334

<210> 35760
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35760

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accctcgaa gcggaaagaa tagatgggaa atttccaatc aaagaaaagg aaagaaggaa 120
gatttccaat caaagagaaa gcaaaaaaag aaaagaagga aaattcccca atcaaagagt 180
gggagaaaagc aaaaagaana gaaagaaaat tccaatcaa agaattgggag aaaagtaaaa 240
aggaagaaga agaaagaaaag aaagctcctg atcagggatc gaaggaaaac agaagaaatg 300
tgcagaaaagg tctttggacc ggacaatatc tgaacaatac agaattgtca ccaaatgaa 359

<210> 35761
<211> 346
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35761

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tctgacataa gcttcaacca attaacattg tttgtatgac aactggttga gttggacagc 120
aatcacacag tttgtccacc atggtatgct ntatgttcct attggttata gtttttagtat 180
gctttatggt cctattgggt atagctttgg tgctggaatg ttcaatttgg agtccacaaa 240
aggaggaact ccatatggtg ttggagttct tgctggagat ggtacaagac aagcaagtga 300
aatggagctg gagcttgcag agtatcatgg caagtatata tgaaat 346

<210> 35762
<211> 566
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35762

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atctctatag aaagtcgacc tgcatggcat gccaaagacta gctttangta ncatgattcc 120
attcaatgnc gaaatgttac gcagatgagt caatatatgt tcanatcctt catacacctt 180
catanatana gtcctctcat cagggttcgtt tgtccattta tacctctgac gacgcatgcc 240
ngtgcataac gagaggtagg gaccatgagg gcaanagcag aatctggtca tgaaaattct 300
agtcattttc aatgaataac caatgactta ccattatggt atcaatgttg taaaaatggg 360
gaatagtaat gacactacat acctacgant gatgaaaatg aatcanagc atnattgttg 420
tactatttat ggacagctca taaacgtaat atatatgcat gatcaataag gacagggaaa 480
tatgctctaa tgtcaaatat gctttgcgtc aataatgctc tgctatcaaa aatgttgtgt 540
atgtgcatta agctagatat atgctg 566

<210> 35763
<211> 124
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35763

gaaagaagcc taaccattt acaagggcgg cgaccacaga tggaaagggt ccctatctgc 60

cacattagct aaagctttgt tagcctgtga tggatgcatg acaatcangt tgttgtgcta 120
gatg 124

<210> 35764
<211> 269
<212> DNA
<213> Glycine max
<400> 35764

atccttcttt tggacctcgc atactataat gctgagttgc tatcaggaac agcttctgaa 60
acaatgggtt gtaatatatt taatgaagag cattgaatgt actcaatgtt cagtattgaa 120
tacattacgg aattaattgt ccgatatcaa tgactaatga atactataaa acccaatgtt 180
atgctaaata cgctagata tttaaatttat aaagcaatgc attccataaa attaattcta 240
actaccaatc aacctgttac tatctcgac 269

<210> 35765
<211> 321
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35765

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gtttccattc tttaaggacc ataggcatac ctctaattga atagggaccc ttgaccaata 120
cagcttcctt atcttcgtgt gatgtgaatc tcatcaagaa ataaccatca tcgtgatagt 180
atagatcacg aagatgaatg aaattccatt gacgtccat gataaccttc accatattca 240
tgctaagatc atctcccatt acatacataa ttagggcatt ntcctagaaa cgtaattcag 300
attccacatc ttcattcttct a 321

<210> 35766
<211> 320
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35766

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agcttgcttc ctttcccact ggaatnncct ctatcaaagc cactctgatt actttttcct 60
cctctgggag cataattcta agggaagcca ttcttcctaa aacatctatc aactgtatga 120
ttgtctttgc cacagtaagt acatgaaaat cctgaattcg atgaggttgt gcttgctgca 180
ttgatcaagc tactgtttcc tatcatatca ttgctattaa tctatctttc ttgttgaatt 240
gcataagaaa agactctagt tatgccaggt aaaggatcca tcatcaatac attggatctg 300
acagtgttgt actgatcatt taatccccta aggaattgca taactcgatc ttgcttcttt 360
ctttccataa cactaacaag agcatcacat gtacatttta gattgcatgt a 411

<210> 35770
<211> 319
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35770

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gtcacctcc ttgagatgag aagctagagc ttaactacac acctcctata atagctaagc 120
tcacccccat gacaaaatac atgagaatac aaaaacaaat ccctactaca aagactactc 180
actcanaatg cctcgaaata caaggctaaa atcctatact actagaatgg ccaaaatata 240
aggcccaaac gaagcanana ctgattctaa tattttacaaa gataagcgag ctcatactta 300
gcccattggac tcgaaatct 319

<210> 35771
<211> 343
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35771

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cccagagggga agctcccca gttccaactc cgaacacgac tcgaccggcc ggtaattcca 120
acacgacaag gaacttcct ccgaggccat tgccggaata caccgcgctc ccaatgacgt 180
acgaagatct tctaccatcc ctcatcgcca atcatttggc cgtggtaact cccggaaggg 240
tcctcgaacc ccctttcccg aagtggatg accctaattgc aacttgcaag taccatgggg 300

gtgtcccgn gcattctgtc gaaaaatgct tggcccttaa ata

343

<210> 35772

<211> 151

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35772

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tggattatgt gggctctgta gagagtttgg atgcgaccga aatcttcctt ggttcatctc 120

ttgctggttc tcaccactag aagtagatag t 151

<210> 35773

<211> 359

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35773

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taatggtggt ctatataaat cttcaaaaaca cgtttacaga gtagcatttt gtaattattt 120

atganaagtt aaaaatagaa cacgttctct ctagccaaat aatcccttan gaccttttca 180

attaatggtg ttagaaacat ttattttata catatatttt agaaacaagt ttttcgtgta 240

ttttaaggt tggagttgtg ctaatggcca taagatgttt cacatggtag agggggaaga 300

acaagtctga ctttttagct tttttntttt tttgtgcgtt agttctcatt ggttgatgt 359

<210> 35774

<211> 499

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35774

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gtcaccctgc aggaagacaa gctggcggat tttctccttg cctgaagcag aagccgacgc 120

acacccta atctgtcaata atgcaatggt atccataaac ccaacataga ttactctacc 180

acttttaatt ntctacagta tatatactaa ttaacatttt taatttatta atctctatat 240
 ttactttctc ttctatcaga ctttaatect aattttttct tctatatattt cttccatctc 300
 attacatatt acatctatca tctttnttcc tattatttct gacagagtca gatcttatgt 360
 tgtctgccga tggctgggtg ctatttacag atcttcact 399

<210> 35777
 <211> 265
 <212> DNA
 <213> Glycine max

<400> 35777
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 ggcaacttca gatcaaacag tctttcttgt agagatccac tcttgagcaa ggacctctca 120
 agaactattc atagcctcta aagtgaatc ttgaaacaaa ctttatcaaa tgaactttta 180
 ctgctttgct actcttactg acttaaaaagc cacatagtgg tataatatga cctgaaacca 240
 accagagggg ggaatgttta aaaat 265

<210> 35778
 <211> 571
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35778
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 gcnaattcta gctcggcggc catgcgacac tatanaagcc ggcaggcttg catagcctgg 120
 aggggtgtgc tgctctacca tctgttncat aagcaaaagc accgggaatg tgtgctacca 180
 tcacgaatta tcgctctccc ttttccatta ttgggaggta ccaacttgat gccgccagaa 240
 tccccccac cttggtgagc gtgatacttt gaacagatcc agccccctt ttgtggcaaa 300
 tagatctgta gttgcattcc tatctcgga ccatatcatt aattgctact gatactggcc 360
 taacaaaggc aaccattatg tgcttccacg aatggactcg ggaagattcc aagttagtgt 420
 accacgtaac agctacccca gtaagacttt cttggaagga atgcaatagc aatttctcat 480
 cttttgcgta tatcccatct tctgaaatac atctttatat ggtgcttgag acaagtagct 540
 cccttgaact tgtcaaggta ccacactaga n 571

<210> 35779
 <211> 301
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35779

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 gnetgtatca aaggactttc acaacctttg tgtgttgccc tcgctggaaa gagtgattct 120
 ttccttccta tcatctccac ccttgttctt tcaaaccaca attccagaan atccacctct 180
 gcccagaatt atctcgtgac cataactccc attttacaca ctcaaattaa gtgattcttg 240
 atcctaaatt gaatttcaaa acgagatctt tcacctcggt ttggaatcac ctcatttgga 300
 g 301

<210> 35780
 <211> 353
 <212> DNA
 <213> Glycine max

 <400> 35780

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 ggtaaattgg ttcacttagc actaatggga gaagcagaac ctgtcacttt ccagaagca 120
 attaaaaagg aagtatggtt agaagctatg agagaagagt tgaaagccat atagaggaac 180
 aagacatgga agttggctag tctaccaa atggaaaaacag ctataaatgt cacatgggtt 240
 ttcaagaaca agctcacacc agataggagt attgctaaac acaaagccag actagtggcg 300
 aagggctgta tgcagaaaga aagctatgat tacaaagaag tctttgcact ggt 353

<210> 35781
 <211> 336
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35781

 ataagtatat tcactaggag aacatcgtag tggaaggaaa ttgtactgat gtgattcaaa 60
 agatccttcc acccaagcat aaagaccctg gaagtgtaac tattccttgt ttaattggag 120


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aagtcaccgt gggaaaggct cttattaact taggagccaa aattaattta atgccactct 180
ccatgtgcag aaaggtggga gagttggaga tcatgccac tangatgact ntacaacttg 240
ctaaccactc cattaccaga ccatatggag taattgaaga tgtgttggtc agagtgaaac 300
attttatctt cctggcagac tttgtggtaa tggata 336
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<210>      35782
<211>      498
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      35782
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336

<210> 35784
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35784

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gatctgcaga tcacatagac cacatactct tgcgacaggt gtagatttct gattcatggc 120
aagctgagtt tctaaggtga ccaagcaatc aagttttccc tcaagcttta ttattttcag 180
aagatgaaga tgaatctatg gccacctcat gaactcctct ataacaatag catcatctct 240
tgactgaat agatgggagt tctaagccat cttcttaatt aaatgactca cctcgacagg 300
agtcatatcg ccaagagctc caccactggc agcatcaaact actcttctac atgctgctaa 360
g 361

<210> 35785
<211> 502
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35785

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gcgcgagaat ngggagctct gggcatctgt gttttgttga tgcatacgca agngcaggag 120
aggatgatga anggatgnca ncngcngcgg ccttggcanc cctngntcgg gaggccagct 180
gtagtgaaaa gaactcanaa ttcacctttg actacattta ttcaagttgc tgatactgac 240
aatgagcgct tagagggata caactctctt agcgcacctt caaaaatata acactatggc 300
ttagcgcaac aggggtgtgct ttaaccaat ccaagcctca taggggcatg cgcttagcaa 360
atgatgtaat tattgacgct gctatgacca ttaagaaatt gggtagctg gcatgaatag 420
cacttagcgg attgaccca attaaaccac atccaatcgg cgttacgggtg atgcctcgct 480
ttagcagcga aaacaacccc cg 502

<210> 35786

<211> 318
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35786

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 cctccatgtc agctttggca cataagcaca tatgttcggc ccttagcaat cgggctccca 120
 accaacaggt tatctctaac ctcttaatgt aaccacttta tctcttggca tgtattcaat 180
 tatctacaaa gctacatatt atctggaagt aataattatc tactagtttt atctctaagc 240
 tatacattat ctataactnt atctatataa gctacagatt attgtctaca agcaatgatt 300
 atctgcaagg gctataat 318

<210> 35787
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35787

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 ctgcctccgc aaaccagtac cctccctctt cagttcacac aaccctgtaa taaagatgag 120
 tattgtttct cttgcttacc tgcaaattac atcaaaacag cattaagaa gaacaataat 180
 aacaacactg aanaacatgt gaagttcgct gaagttatca ttcattgtcat gccattat 240
 gagcaattaa aacaaataag ctntaatcag ctagacaaga aaatatgtgc gtgtgtgtgt 300
 attattttaga ccaattccta ttatcctata gtattaacta ttaaattgaca acanaaaatt 360
 tggagccaca taaaatattt atatttttaa ataattgattg atcatntgtc ttgacttaat 420
 gcacatgaat atctg 435

<210> 35788
 <211> 270
 <212> DNA
 <213> Glycine max

<400> 35788

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tatgtcgttg tttcgcttca tacagttggg tcaacgatat gtgactgacg agacctgtga 120
 gtgaatgtgc ggagacatcc cttctgagat cagcgtgtaa tcctcccact aagcaataca 180
 atagagcctg ctgcgttatg acttggactc gactagctag agccaggaac tgcacgtata 240
 ctgactgaac tgaaccaatg tgacggagtc 270

<210> 35789
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35789

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 tatgtttgct gacttcaaaa agcaacagag agattttcaaa agacaactta attgtcaaatt 120
 gctctctaaa aaactatagg tcaaacactt tcaaatcaat tgagtattct tgtaagatct 180
 tcaatttgta ttatcatctc taaaagagag aaattcttct gtacattcta aatactgtgt 240
 tgtgatcaag agattgttta tctctagact tgtgagaatc ctgaacacaa tggagacgaa 300
 tctcaagggtg tgttcagaag ttgcaaagag tgtacaaaga tagcggaaaa tctcaagtgc 360
 gttgcttgat gacaggacat agacacgaga agtgggtcgat caagataaaa 410

<210> 35790
 <211> 169
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35790

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 ccctactgg agaggggcaa ctcccacctt atgaagacta tcccaggcaa gacgatggag 120
 aaggagatac ccctctggc cccctgccga acatagtccg taatacccc 169

<210> 35791
 <211> 91
 <212> DNA
 <213> Glycine max

<400> 35791

tgaagccttc cagcctggtg atttattgat tgaaggccgg tttgggttgg ggttaagggt 60
tgagtttgtg tttgaggttc gtgttttgga a 91

<210> 35792
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35792

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ttcttaaaaa acaacctctc ctacccttgc tttttgtaat ggaataaacc aaattaaaat 120
ctgcaatggt aaagaaaaag tacctctcat actataatag aagaaaggag gtcacatcatgg 180
taattggtgg taaagtagtg gtgtttctac tcttatttct tacatangaa gccattccat 240
tcatgagacc atttgtgtat ttccagtaat aattttcaat tcagaaaaac aatcaactaa 300
acattctcaa gacttactca ccaaattaat atcattgttc cgccatanga agccatgcta 360
tttcatgaaa tatgaaaacc tttttacctt ggttggtt 399

<210> 35793
<211> 246
<212> DNA
<213> Glycine max

<400> 35793

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atgactatgg catcatttct ggcgctaaac tgctgggagt tagaggccat cttctcaatt 120
aaatttctgg cttcagcagg agtcatgtct ccaagggctc caccactggc agcatctatc 180
atacttctct ccatattact gagtccttca taaaaatatt ggagaagaac tgttctgaaa 240
tctgat 246

<210> 35794
<211> 328
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35794

<210> 35797
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35797

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 tggctctata tgaatgttat ttaccttata tgaataatct gaacttgtct tttttaaaaa 120
 tagttgaccc cagtgccaga acttgggttc taatcgaaaa atatttatcc agcaatacat 180
 gtntagctnt catcttacct attagaaatg aactggccta attcatccca gaaactcaag 240
 gagagcattg tctgagccta attcagctat tacacgtgag agacattctc tctaactgaa 300
 atttcttata tgnttatgtt gtttttagatt cttctttata atttgaacat tttttctctg 360
 aaattggtaa aattgcattc tcggtcaagt cagccacctt attttcgtta gttcctgact 420
 ca 422

<210> 35798
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 35798

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 atatgccttc tatagaggat gttttgtgga acttgcagtt tgcattctca gtacaagatg 120
 catggagagg ggattctcac agtagtgaag ggtcaccagg ctcagaatct cgaggggtac 180
 ccttccatta gtgtcaaacc acagggtttc acttttttta ttttgtatat ttcactgtaa 240
 gcctaaaagg ttaatgcttg cagttgcaga tacagcagca tcagaatagt ataagttctt 300
 tatgttggaa cacctttgct aaaaaatctg ctgagcttcc atgaaaaact atgttggtccg 360
 agctttgcac ttatgcagat tttttt 386

<210> 35799
 <211> 321
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 35799

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aaggagaaga agtaagaggt ggcgccatcc actanggaat aagccatgga agaaggagct 120

tcaccaccaa gatgagcctt ggataagaag cttggagagg atgcttcaat ggaggaaaag 180

aaagagggag agaaagagaa aggggggggag caccgacattg aaggaagaaa aaggagagaga 240

agttgaactt tgagttgtgt ctcacaagac tctcattcat caaagttaca acaagtgtta 300

cacatgcttc tatttataga c 321

<210> 35800

<211> 579

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35800

ntttntntag gtagggggct tgacttattc ggnngactaa tatctagcgt cggtacgccca 60

ggggatcact actagaagtc tgacnctgca tggccatgcc aagctgntng ctttcttacc 120

atatacagca nnacanagaa atgggttttag tgcgagagtg actcagcttc gtggtagttt 180

cccggtcag tcacgcagtg gacctcaana atgtcgatgt atagaacaga actctatttg 240

agccagcgga aggatgaacg taatatcatc cgcgatgtca aacgggctat gtcgtgccgc 300

gattgaccga agtgcgcatg aagacgacgc ttagtcgttt gcgtagctat catgctgctt 360

cgtcttacia gacagcaggn atagaatggt tgatgcggat aaccacgtca ggtattatga 420

gcccgctctgc gtgactcata ttggagtaag acggatcatg tgggcgcgga agacgccgct 480

agatctcgcg tgtcaactgg cttgtctgtc actagtgacc aaaggcgcaa attaagacat 540

taagctgctc gtgctataat gagtgtggca aacagacag 579

<210> 35801

<211> 276

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35801

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ctgacatttg agtcacgttg acgggcggaa atacccgagt gggtatccgt ataaacattc 120
 ttttttgctg gttgtaagac gaaaagcctg atagcacgca cagactacca tcgtcttcta 180
 cgcccttcgt caatcgcggc cgagaagcct cgtgacacgc ggagaattac gtcattctnc 240
 gcgctcataa gatctgtcat actgacattt gagtca 276

<210> 35802
 <211> 468
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35802

agcacgcgtc gagctgatcg tagcatnacc ccnaannnaa nnagcagccg ngaagcaaan 60
 aggcgaccgc agcaaacaaa tntttatttt cccccccgc nagccgggcg aggcggaag 120
 cnnaaacacc cccccgcgc cgcgacggan gaaccgcgag aaaccaagga ccaaccgacc 180
 gcacgcagcg cagcgaagag aacggcgccc ccaccaggca cacacagggg gccgccggaa 240
 ggagaccgcc ccagggaggg agcaaccgcg gagacacaaa gaacagcgag accccaaccc 300
 gaggcccggg gagagncgcg anagacggcg ccgaccaagg gaaaanaaag ggcccggacc 360
 aagccccac ggggacgacc ccacgaagcg accaccacga ccacaagang gagccgcaa 420
 caaaaccac gaaaggaccc ggcgacggac aaagggagcc aaaagccg 468

<210> 35803
 <211> 68
 <212> DNA
 <213> Glycine max

<400> 35803

gcgtctcgat atatgacggg agtcaatcat acatccgagc tctaagtgat tgtcgtttga 60
 attggctc 68

<210> 35804
 <211> 283
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35804

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 ataatataac gagacgctcg aaattgaatg ttgaagctct aagccaattc aaacgacaat 120
 aactntttac taggatgtct gattgctgcc cgtaacatat cgagacgctc gaaattgaat 180
 gttgaagctc tgagacaatt gaaacgacaa caacttttta cttcgatctc tgattgagtc 240
 ccgtaacata tcgagacgct cgaaattgaa tgtggaatct ctg 283

<210> 35805
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35805

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 accgtttcaa agacacttgg tacatcgatt accagaaaaa ttgtaatcga ttacagccgt 120
 tttgaaaata tttggaacgt tgtaaattca gtttgaaaac attttcaaac tcattttgct 180
 actggtaatc gattacaaca atatggtaat cgattaccag agagtaaaaa ctttttggtt 240
 aaggttatgt caaaaactca tgtgctattc anagtcttga aaaaactttc taatacttat 300
 cttgattgag tcttttcttc attcttgatt cttgagctct gaatactgat cttgaatctt 360
 gagatcttga gtcttgattc ttgattctgg aatcttgatc ttgattcttg agatc 415

<210> 35806
 <211> 294
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35806

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 attgaaggac ctcatagaag ctcaaagatc cagccttcat agaagcttct caagcaagct 120
 tccatcatgt tatagagaaa aaccaacttt taaaaaatac aaaagataag cacctctttt 180
 tcattntctt aaaaatgaaa agagtctcat tagtatttct taagggtgtag agcattaagg 240
 tagtctaaaa cctaaatgat catnngttaa atatngact tttagtttct ttga 294

<210> 35807

<211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35807

agcttcttta tttactgtta atcgcgctga atcgngaaac ggcaattcca tgtatgattc 60
 actcacgttg gcgaggttat gattntgaga ggcaagtga cagtgttgca gtcgagaatt 120
 acagtttctt tcattaggac caagtcgaac tttgtggtat tcctgtggag agtgctcgct 180
 agagattcag attgtgcatg tttgagaaat ttgtctaatt tatttaggat aaattatatt 240
 gtcttggtcg aaacaaatta tttttcgaaa gtgtcaaagc tctttagaat atatatctaa 300
 taataagaag catgttctcc atgcatgttt ctaattta 338

<210> 35808
 <211> 502
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35808

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 actccactca gtcgctagaa tacggaaaat ctattttttt tcgngaaata caccgcata 120
 atatggtatg cttgttatgt gccacgttcc aaccattga tgaatagcaa cgagtagcag 180
 caccctttan ggagggtgac ttcgtttatc gctcaaccac gcagtagact ttaattgtac 240
 caatgaacgg cgtggtaaag agttaattgc tcttggcatc ttgtggcaca ttgagaaggg 300
 gccccctnn caaagtgtc ctccnagag caacatctcc tttaggaaaa ttcttagggg 360
 gacacaaccc ccttctgtta ttttccccca tttttcatta taaccccccc cccttcttgg 420
 agaatctttc tcccaaagag caccacccta aattttcccg atactgtttc tttcataatg 480
 tacgaacctt cggatacata ac 502

<210> 35809
 <211> 345
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35809

005107-9072450

agcttttgtt tttttctacc actcangncn gnnncgccga aggcganaat ctaatacttc 60
ttttacgggt tgcgatggat gatctgcgag aatctatgtt ctatccgact tcatttatct 120
cagtgaagtt ttctgcgctt ccacgatgca aatatacggg ttccgcgtta cggttccctt 180
ctatttattt attatcggag ctttcataac gatcggncat accctcattt ggggtttggg 240
gagagtctct attgacgttg ctgatcaagg tgaaaatatt ggatctttga tccaagtctt 300
caatgggttt tgatcttgat gacgctgac ttccctcgac aacat 345

<210> 35810
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35810

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gtgcaatttc ccttggttat ttggctctcc attgatgtgt tttggtgctt tagttgctca 120
ttntttgcaa aattcgtgaa gcaatttgca tctgaatcca tgcttgattt cttgagttaa 180
agatttgaat gagaaggcct tangcctatg ttgtattctg aagcaatggg gcatgccaca 240
ttgtcccat tctcttgcaa tntgtgtcca aacatgcgcc caccaagtgc tcggtgaaat 300
gcccgaatga tatatgaata tgattnttgc aaaattggga tgggtggggct gttttatgta 360
tgt 363

<210> 35811
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35811

taagaggtgc aaattaaata ccatttgata ctgagacaat gtgacaagan atgtaataaa 60
taagacccaa gtgtatacga taaaattgtg acagactcca catactacac atgtaaaaca 120
ttaacaagcc atcctgattc ctaaacacat gatatgcac ttcatittca aagccacgga 180
ctgaggtcca tcatctacac caagcttctc aaggctctca taaaaagcat cgggattttt 240
cttcacaaac tcttccacct tatttatattg ctgttcactt atttggcgag cccttaactg 300

[illegible]

<223> unsure at all n locations
 <400> 35814

gggccttgat atactgataa acangacana caggtcgcgg gatccattat aatcagaccg 60
 cctggcatgc atgccttcat tcatttggtt attattaccg caaacctca tataggggct 120
 ccttaaacca ccatgaattc aacgctttac cttctcttcc aataggggcta ctcattaatt 180
 tctccatgta tctactcaca tggtaatgag tataatgtta taacatgcac tctttatata 240
 tttcaccgag taaacttgct atacatgctc gatgggaatn tccactgggc aagataaata 300
 ctcttgctct tgaccatgaa cttgtggaga atatatacct tgaatgttgc aaatacatct 360
 gatgctgaga acaataactaa atacttacca actataaaga aaagaaacct caaatgaga 420
 gagactgtac ctatgaaaat ttataaccca cgctatcttg aacatg 466

<210> 35815
 <211> 156
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35815

cgaaggaaac tggcatgaa gaatatttca gattcgggag atgtatntac gtttgaggaa 60
 ggtattaaca cctctcacgt ttgtccana ggacaacagc cttaaatttg gattgtgtga 120
 catattgtac ctanactttt atttcttttt tatttt 156

<210> 35816
 <211> 333
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35816

ttccttcacc ttctggggc caacgcgaac ttgaccatt attcttcctt cccgcgatgc 60
 ttcttttcat gtccgcctga gtgggcttat agcctacacc atacttgcca cgatttcctt 120
 gggatattat caggctagtt atgccgccgt tggtttttcc taaacccatc ccgggttcat 180
 aaccgttccc caacataact cgggccatca ttatcgctgc atcgacaga caaagctgcc 240
 caaagaggga gtccacggag gaaatgctga ccacctcana agactggana gcagtttcta 300

acgattcttc tgcggcttcc acataaggca tgg

333

<210> 35817
<211> 306
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35817

gacttgctgt gagagtttta ctggaattgg gcttgcccat gatcgatact ttgcacctaa 60
gtgacgtggg aaatgctttt caatggtatg tggatatatg tggggcatga nnatccttgc 120
caagtgtgaa tgattatttt cctaaatgga tgtatgatag catggaattc ccttttgaat 180
gcaagtatgt gcaggatgta attagctttc caatatgcag aaacaataaa atntgtatga 240
tatatatccc acatgtgtgt agttagtttg aatagcaagt atttaggata taatttagtg 300
tgagtt 306

<210> 35818
<211> 340
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35818

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ccgggttcga acacaacctt ctttctccct ttgatggctt gtttagcata gcttttactt 120
ttctctcaa tttgatcttt gactctataa tgaagcttct tcacatagtc cgcctttgct 180
tgaccttctt tatgcttaan aacagaaaca ttatgcatat gcaaaagatc aagaggagtt 240
agtggattaa aaccataaac aacttcaagg tttaagaaag aagaatcatc ggatgacgcc 300
gatcgaacat ttcttaatag acatcatcca aatattatc 340

<210> 35819
<211> 310
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35819

actcggatga ttgattgagt cccgtaatat aacgagacgc tcgaaatnga atgtngaagc 60

tctgagccaa ttcaaacgac aataactttt tactcggatg tctgattgag ttccgtcata 120
 tatcgagacg ctcgaaattg aatggtgaac ctctgagcca attcanacga cnataactnt 180
 ttactcggat gtctgagtga gtcccataat atategagac gctcgaaatt gaatgttgaa 240
 cctttgagcc aattcaaacg acaataactt tttactcgga tgcctattc agtgacgtaa 300
 tatatcgga 310

<210> 35820
 <211> 229
 <212> DNA
 <213> Glycine max

<400> 35820
 gatgatgtaa acggactttt ggctgaatg ctacggatt acgacagtga ggtgatcaag 60
 agagataaac attcagatag caaagacttt tgataaagag aaccctaatt ttagaagaaa 120
 ctgggttttaa agtttccgta ccgggtcgaa actctaagct caagtgaacc cagttctaga 180
 cgatagattt aaaaattggc cgagtatata tcgctacctc agtataatt 229

<210> 35821
 <211> 360
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35821

agctngttct tgacattcaa taatcaagta taataatgtg tctcgttttt gttaaagtta 60
 acttatttat taattatatt atctaatttc ttttctttt ctttcttgcc gagaacatga 120
 attcttgagg ttacttgcac acaaaggagg taaatagcac aaaaagggtg aagagctcan 180
 ggattgttca aattacatat gctttttggc aaagaataag atcctatggt tgctcaatgg 240
 tgtcaaaaaa aattgttccc tgcgtatata atcatataag atgacaacat tctcttatat 300
 atgtattcat ttttatgca tcccttgatt acttcatggt ttagtagtat tcttttatgt 360

<210> 35822
 <211> 238
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 35822

attcatncat cctcaacatt cgctacaat gcacatgtaa gcggacacat cacatcctaa 60
acaaatcaaa aatcaaaatc cttcaacata ttttgaaacc tttatatattt ttgtgtgttg 120
gtgagtttat ttccattnca agaattgttt ctaactcttt tgcgtgtctt tttcaaatct 180
ctanacattn tgaagatatt tgacacattt caagagctct anaacatata aaattggt 238

<210> 35823
<211> 321
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35823

agctngcact tttttttatt ctgtgtaatac aagagatatt tcaattgttt ttttatttga 60
cgttcaacta atttccctct cattgaattg gtctacttta aaataaagtg atatttagaa 120
taaaaaggga attagtattt tcatatagca tgcacgcaaa tactagctac tgcagttntc 180
tgatatctca tctacgtggt aaatttccac ttgtctgttg aaataactctt cccctgtgag 240
tctgtcactt gtggagaatt ataataactt cgagggtggg aaataacatg ctcatgttct 300
ggaagaataa gaacaagaag t 321

<210> 35824
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35824

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tgcgcgcata agcccacat actctgtagg ccacctccat ctgagctcac ggactccac 120
gtgaaccata ttctcgtatc tctcaacagc gggaccccat ctatgtctctt aagcttgac 180
aacatccaat cagaacaaca ttcagacggc tcaaggtatc acagccatac aaaacatggc 240
agatgcagaa aactctgtca taacaccgac caaatcacia gctttctcac ttanagaccc 300
cagtaactat tctttcgatt caattcgata accgttggat cgactccaaa attctactgg 360
aggcttatga gacattatac cacattgtga ccgtngggat cag 403

<210> 35825
 <211> 360
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35825

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 gagggagaaa cccatgttgt gactgccatt cctgtacggc caaatttccc accaaccxaa 120
 caatatcttt actcagccaa taacaaactt tctccttacc caccaccag ttatccacaa 180
 aggccatccc taaatctacc acaaagtctg tctaccgcac tttcaatgac gaacaccacc 240
 tttagcacia accaaaaaca ccaaccaaga aagtgaattt tgcagcgaga aagcttgata 300
 attcacccca attccagtgt cctatgctga cttgctccca tatctacttg ataattcaat 360

<210> 35826
 <211> 292
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35826

agctntgtca cttntgttgc tnccatactc aaatttagat gggtaatatc tgttggtgtc 60
 tcgtctcgcg cgatttatat ttgaaactnt cggtgccacc agtgtacttt aatttactct 120
 taatttaatc gcaatacact aaatgaaacc aaagttttct actctctctgg tatttaaccg 180
 gatcttactg gatcacactg aatcctgtca gattacatat acgaacaaaa ctatctaagt 240
 ctctttttca ttactatct gctgctgata tgtttaccat agaactatat tt 292

<210> 35827
 <211> 343
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35827

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 cgatcacctg cggatgcgca ctcttatttt tcttagcgag tccacggctg tttacattcc 120

taagggaag tataaaacgg agatggtaga ccaagtctga atcattcggt gagaatggct 180
 cctgccgaca agacacacag tatagctgtg cttcangtcc ttcggtcagc taaacccaat 240
 ctacgcanag ctattataaa tagttctgac aaaacgatca tctacgctat ttgtgaaatt 300
 tgtgacaatt tgctcagtgg aaacattcca cttactgcta gtc 343

<210> 35828
 <211> 362
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35828

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 gaagttcgaa aagtagtat aaattattac cggtaaaagt aatcaaatta aatatatatt 120
 aatacagttt atccaaaatt taataagatg tttacaatta ttttcatcan accattgtct 180
 catatattct atttttataa tatagtgagt ataattttat ttgcaaaaana attaaattca 240
 agtattttta agaattttaa aataaatata tatatatata tatatatata ttantttta 300
 tacatatatg tatagatatn aaatatttta ataaagtgc taaattataa tatacatata 360
 tt 362

<210> 35829
 <211> 340
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35829

tctcttggtt taacctccat tgatggacga acccggtggt gtgtgtagg tgcaagccaa 60
 tgcagnttca tcttgataac ttatgggtgc acttgacgtg tctattgtgg tagtggtaaa 120
 tgagctatgg catctgttgg aagagtcttg aaagccttag atggtgtgtg ctcatagtta 180
 tacttctttc atgttgacgc ttggacaatg atgggttctt tctgaagaga ctcaatggat 240
 atggactcat ggaaggaaga ttcagatatt ggattaccaa taacgaatgc taaaagaat 300
 ctttgagcat ttgtcaatgg ttctttttgt tgaatagctc 340

<210> 35830

$\left\{ \begin{array}{l} \text{[Diagram 1]} \\ \text{[Diagram 2]} \end{array} \right\}$

$\left\{ \begin{array}{l} \text{[Diagram 1]} \\ \text{[Diagram 2]} \end{array} \right\}$

$\left\{ \begin{array}{l} \text{[Diagram 1]} \\ \text{[Diagram 2]} \end{array} \right\}$

$\left\{ \begin{array}{l} \text{[Diagram 1]} \\ \text{[Diagram 2]} \end{array} \right\}$

$\left\{ \begin{array}{l} \text{[Diagram 1]} \\ \text{[Diagram 2]} \end{array} \right\}$

$\left\{ \begin{array}{l} \text{[Diagram 1]} \\ \text{[Diagram 2]} \end{array} \right\}$

$\left\{ \begin{array}{l} \text{[Diagram 1]} \\ \text{[Diagram 2]} \end{array} \right\}$

$\left\{ \begin{array}{l} \text{[Diagram 1]} \\ \text{[Diagram 2]} \end{array} \right\}$

$\left\{ \begin{array}{l} \text{[Diagram 1]} \\ \text{[Diagram 2]} \end{array} \right\}$

<210> 35833
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35833

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 taccatgaga ggacagagca catagatgcg aaactacact tcatcagaga tgtgattgaa 120
 tctgagaagg tgaaggtcga taagggtttca acagaagata acccggtga tatgtttaca 180
 aaatccctct ctagtgtcaa gttcaagcac tgcttggact tgataaattt tgaggatgcc 240
 taaagcacat tggtagaagt gcatccctga atcgcaagat aagcacttgt tgatttggag 300
 tcaaagtgga gatttgtggt gtgtgactca naatcacaaa tggcacaagt gggaagactt 360
 taagaagtgc tatcataact aaattcagtt atgataactg aatctgtttt ggcaccanaa 420
 catagctaga atgagtgtgt gtgatataata tatatatata tat 463

<210> 35834
 <211> 360
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35834

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 ctatttccca tctccttctt tcttttttcg attccagttg ctagtcatca taggatctcc 120
 attggagctc atgcttccaa gaagatatata catatgtcaa cctatatcta aacatgcaat 180
 ccaacttcat ataaattntt tcataaaaatt agtaaatact caacaaaata tcatgggtgga 240
 ttattcgtac ttccattatg atgggttcgct tatcctctac gaccaccaa atgggtagtg 300
 agtcatatac cacctacatc ttcttcaata cctnctctct ttgatgatca gtaacttatg 360

<210> 35835
 <211> 497
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35835

<210> 35838
 <211> 352
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35838

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 gctaggcttc ttgcactaag catgcactgg cgcgctgagt gtgctgctcc aattcttcat 120
 acatcttcca ttcttctggt gatgcatcta anaattctac aaaataaaac aaaacattgt 180
 taaagtacca acttttagcat tcttaagata aaaactcaaa gaaaatctaa attcctatct 240
 ttntaagtca caagaagtat ctaaagagaa gaaattagat aatttctatg taattttaagt 300
 gcacaaacta agtatgaata acaattatca atgaggaatg aagatagaaa ta 352

<210> 35839
 <211> 370
 <212> DNA
 <213> Glycine max

 <400> 35839

 ggagtggatt acagaatcac ctgaactagc cgagccttaa aagatgactg gatggaattt 60
 actttttggt ttcgttggca atgatgtgaa gatgctgac ttcccgtgga gtggacctta 120
 atttgaataa cactatatta tactgatttg cggatcttga gatggacgat gctgaaatga 180
 gatgagaagc ctgttgattg gaagcactta ccaaactgac atggctgata atgtcctgtc 240
 ccattgaatg aagatatgat gatgacctgc ctatacagta ttctgtcctg actagtgtaa 300
 agctctcaca gaggggtcaa caattgtcaa ttggggagta tataagaatt gttaattggg 360
 agcctgggaa 370

<210> 35840
 <211> 342
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35840

 agctntgatn ttcatattga atttcatcca anattntgac aagtcattgt tacttccatc 60
 aatattgata ttgtatcatg cttaattata tgcatttgct tattctgac attgtctatt 120

gtgtgattat ttcttccatg cangtacatg attcctatctt gttgtgagag tgaaatgatg 180
 ggcaacagca acaagtgaag tgaagttata ttccctttnt ttgtctttat ctttgtaag 240
 ttggtatata atttttatctt tatatgtttg agtttttaaat gtgtaaaaca tagaaataga 300
 aaggtctgct gattgcttat taaatacaaa gtaggatatt tt 342

<210> 35841
 <211> 390
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35841

actaattgga ggaatgatca agatgtatctt gctgaacaat ttaagtcgtc tcttttttta 60
 ttatgtaatn tgaaagaatg aaacatgtnt aagttgctca attagaactt gaaggaccac 120
 caacatagta tatcagtatc tttttttttt gctagacaga atcatatgct acttattggt 180
 gggacaacat atatttagat ggtactgcat tttgggagaa attaaatatg catgtcctta 240
 attcctcatg ccaataccta attttatgat tntaattgaa tgggtgattt gtttaataat 300
 ttttaaatat gatatgatcc atattngaag ttgcttatta tttttttttg ctagaactgc 360
 ctttaccat tttttaatag tatagaattt 390

<210> 35842
 <211> 400
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35842

acaaggatgt tgttgtggaa cactttgtcc ggagagtgat gtttgatatt aatgaaatcc 60
 cacacctata ttccctgtc ttatctagtt gtcataaaca aactattcta taccctacta 120
 atcttagaga tgcacatatg taggaagagc ataataacct ctacgtacgt agcaatatca 180
 catggatgaa gcaattaact atatctacta aacaaaagct ttctataaga attatcctca 240
 cacaccatac gtgcattttc aatttcccaa ctttaaaatc acctctataa accctacttt 300
 acagaactca tcgtatttca cttctatgtg catatcaaca gaactcaact tctcagtcgt 360
 gtttgatttg tgacggatac catttgacac tcattcattt 400

<210> 35843
 <211> 220
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35843

tagaatctcc ttttaagtga aggcatttga cttgatccca tgtgtntact aaagtgaaca 60
 anaatcgatg caaattaaaa ctctgacatc tatcatgggt ggaatggatg aatgcatgaa 120
 gaaatgtata taacacagat gcgatttatg aatacgggag cctgagaaat tgtctncttc 180
 ttagatacaa cgtcttgggg taacacagtg ctcgacttat 220

<210> 35844
 <211> 336
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35844

agctngtggt tatattttat ttgcngattg aattctagat acatttggtc atgtattntg 60
 gtcattctta gcctatcttt tgaantttga gtctaattca tgcattgtat ttacttcata 120
 acatgttcta aatcaatttc gagaagtagt cttgttggtg aactcttttt tttgctgtct 180
 aagattctta tatgatggct atgatgaaca tgaattgtgg tgcggagttg tgaatcacat 240
 aacgcctaag ctctcttgaa ttgtcgact cagcataata gagcatgctc aaacactaat 300
 tgtaactatt caagatgaac actactttcg atttct 336

<210> 35845
 <211> 185
 <212> DNA
 <213> Glycine max

 <400> 35845

 acaaaccaca aacccttgcg ataggtacag atttctgatt caaggccagc tgggttacca 60
 agttgaccaa cgcattccagt ttgccttcaa gcttcttagt ttcagatgat gcagaatggg 120
 ttgtagctac ctcatgcact cctctaataga ctatggcatc atttctggcg ctaaactgct 180
 gggag 185

<210> 35846
 <211> 332
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35846

agcttctact tatgtgttan ggcgggcttc cttcaccttc ttgtctcaac cgcgagctnt 60
 gactaccgtt cttccttccc gcgatgcttc tctntatata tgcttgagtg ggcttatagt 120
 ctaaccata cttcccacga tttcctttgg catttatcag gccagttatg ccgccgttat 180
 ctttgccata acccattccg ggttcgtaac cgttcccaa cataactcgg gtcataatta 240
 ctgctgcata ggataggcaa gcttgcccag agaaagagtc cacggaggaa atgcttacca 300
 cctcaaaaga ctggaaagca gnttctaata ac 332

<210> 35847
 <211> 257
 <212> DNA
 <213> Glycine max

<400> 35847

agcttcaatt ttcttgtaa ggcgtctgat atattacggg actgaatctg acattcgaat 60
 aaaaagctat tgcgtttga attggctcaa agcttcaaca ttcaatttcg agggctctga 120
 tatattacgg gactcaatcc gacatgcgag caaaaagata ttgcagttga ataggctcac 180
 acgttcaaca attcaagtgt gagcgtctcg acatgttacg ggactcaatc agacatcccg 240
 gtaaaaagct attgtca 257

<210> 35848
 <211> 474
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35848

actatannaa actcacgctc tgagacaatt canacgacaa caactntnta ctcggatatt 60
 tgattgattc ccgttatata acgagacgct cgagagtga tgtttaagct ntgatccaat 120
 tcanatgaca ataaattttt tctcagatgt ctgattgagt ccaataatat aacgagacgc 180

tcgaaattga atgttgaagc tctaagccaa ttcaaacgac aataactttt tactaggatg 240
tctgattgcg tcccgtaca tatcgagacg ctcgaaattg aatgggtgaag ctctgagaca 300
attgaaacga caacaacttt ttactcggat ctctgattga agtccgtaac atatcaagat 360
gctcgaaatn gaatgtggaa tctctgagcc aattcacacg acaaatacgt ttactcggga 420
tgtctgattg agtcgcgtac atatcgagac gctcgaaatt gaaggtagag ctct 474

<210> 35849
<211> 321
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35849

agcttcttgt ataantatct tggtagtctt tatgcctgga ccaagaagct agaaacctgc 60
atgggcgcttg aaagatatga gcaacactca tacaacaca ttaaagataa aatataagac 120
tacttatttt attaaaacaa acatctttta acaaataact ctaagcaa ataggaccaata 180
cgtgataagc gagacggctg tgagatatat aacaactcta ttcgagtcac atagtgttga 240
aactccaaag tagaagatac atgtgtctgt tgatgtgttg gcaactatga ctactagtat 300
tgacgatgag tttgtgatgt a 321

<210> 35850
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35850

ctggtatgag ttcatctctg tgctgtagtg ctgttattta tttgccctta gngaggacat 60
cccctgagat aatttattta atctattgaa ttccgctttc tttcctcttt gacccaaata 120
aaacacacat tcaactcaat cattcattgc aactagccaa ctacactgac aaatgactta 180
tgtgtctata cacttcgaaa ttaaaaaana agaacttcat tgtactgact atatagataa 240
attatatctc aattgtgcct attatctttg agtctaaata tgatataccc gcagcacaac 300
agttttacac tgccatttaa taatatgttg gcagctggca catcattaaa gaagttagac 360
ttcctgcata agtgggttga tgggtcaaact cttttagtaa tct 403

<210> 35851
 <211> 244
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35851

 gcatnngcnn caagcactag ccccntnna caccagnaag aaagaaattt ttttagggna 60
 gggaaggggt aggaaaaana aaggaaaaaa aaaagaagga agagggtaat agaataactga 120
 aagaataagt gaaaataaat ttaaaaaaaaa aagggaagaa ataggaagaa agataaaaat 180
 aaaaaaagag tataaaaaaaaa aaatgaaagt gtttggaata tgtgaagaaa attaaaattg 240
 aaag 244

<210> 35852
 <211> 479
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35852

 agggcgcccc ttttncctga nagncnnaac ncnnnntnt agnacagccn gcctggatgc 60
 agtagagcgg cacgcatgcc agccncgact tatgngtttt gtgcgggcca acagcaccng 120
 caagggaggg ccgcntaagc ttgactaccg accttccttt ccacgatggt tatctatata 180
 tctgactgag tgggctcctt ggctaacca tacttccac gatttacttt ggcgtttatc 240
 aagccagtta tgccgcccgtt atttttgcct aaaccattc cgggttcgta accgatcccc 300
 aacataactc gggatgatcat tactgctgca cggataagca gcttgcgccc aaaagagtca 360
 ccgaggaatg cgtacccttc caagaccgga agcagcttta atgactgctt gcggggccac 420
 atatgcatag agatggctgc caccacaacgc atgcttcctg ttacatgaca atccccctc 479

<210> 35853
 <211> 324
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35853

<213> Glycine max

<223> unsure at all n locations

<400> 35856

attcacgcaa tctgcatcac attctcggan aggtctacat ttacacctt aactactaat 60
catgagagag gananntgat accttcgaat gtccccgcaa catanagtaa angcaccgcg 120
cgtangtgaa atgcacacag ctcaacatgc acacatcaag aatttccttg ttgtagnac 180
tcatcagagc gggaagcagg agcgggtatc tatacactta atcactctac tgctacttcg 240
tctcgtcatn tngacaacnt ggcattacga tagaatatcg attctacgtc taatacataa 300
atccacagct cgagtgcagc ctactctgaa tatcgcgat cagcaaccta tatacccgag 360
aatgaaatcg tcgcntgata cagtgtattc agccgaatcn aatacgatga gatcgcatca 420
gtctcagatg catttaaadc tgaactcgta cncgattctt atcanacact gtgtacatgt 480
caatcactcg taactcacat gcttactagc gataatacgc tactctatct aaatctccat 540
cggcttaggt ccactactc tgactgcgat aagatggaat ctgtcatata catccatctg 600
cactcttaca actgatatgt accccccgtc tattgccaca ngctatatag tcacgtaaac 660
atgctgacag acattagctt ctacgtgtaa ccacactat cgaacatcta aatactgcac 720
gtcgctcgcg ttagcaattg acatcatgcg cgtgtctacc acacntgcat aacaacgaaa 780
tcgcg 785

<210> 35857

<211> 349

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35857

tgcaagctat tcaattcatt ctatgtactc gtggtggtcc acattttgtg tgatgtatgt 60
ttattctcgt ttgcatttac tttttatacc cccttttgac gtgcttaagc catttattta 120
agtcatttct cgcttaatct aaaaataaga taaatttcca ccgatcggtt gaattgtatc 180
atccgttaat tgtgggttaa atgaattccg accgtttggt cgtgccgtaa ccacgttgga 240
aatcaaaaaa agaggtaaaa taataatata ataataaag aatacctttt agtaaaataa 300
aagcgaaaga tcaatcggac gttntctctt tgggatgtct cattcttaa 349

<210> 35858
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35858

agcttgtang attatgggtgt acccatcaca tgtggtacta ggtggcggtc gggcgatggt 60
 gcacaacaag tnttccacat ccacanattg tgcataaacc caccatcccc tattgcccac 120
 ctccaactga gctcacgtac tcccacgtag cccatatacct cgtttctctc aacaccgggt 180
 ccccatcaat cctctcaagc ttccccaaca tccaagtaaa acaacattca aacaacacaa 240
 actatcacag ccaagaaaac agagcatagg cagataactc tgccataaca ccaaccaata 300
 tcacagcttt tctcacttat agaccccggt aacaattcct ttgttccaat tcgttaaccg 360
 ttgatcgac tccaaaattt actggaagct ctagtacata agcctcattn tgaccgttgg 420
 atctatagca acatcagaac tcattctgac tgtc 454

<210> 35859
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35859

agcttcanac ctcattatca canaatctag gtgtccaaaa cccctcaatt taatggattn 60
 tctaggctnt agaagtgaag ttgagaatga gacnaatttg aagcaaactc tcacctcaca 120
 caagtctata acatcaattt agacttggtc aaactggatt tacgcttaan atttcaccga 180
 atcaaaattt gactcttcga caccctcaatt tgccctagaa atggctctnt gttcactttg 240
 atcatttggt tttctcccta gctcagccta accttctctc catgttctaa atggcatttc 300
 aagctaggat taactcactc taacctccaa ataccacata atccagattt agccttccaa 360
 ctctcanagc ctcacttctt ttcactcata acaccacatt ctcaccttct aaccttaggt 420
 taactctacc tttcatctct aaca 444

<210> 35860
 <211> 536
 <212> DNA

<213> Glycine max
 <223> unsure at all n locations
 <400> 35860

cgcacccgta cacacaatga acgacgctga aangcacaca cacatactac aanncttaaa 60
 aanaaaaaag gaggggnnct cgangctatn agtacagcnn aannnnacnn agnaccngnc 120
 gagccngcag agncgaccag caggcaggca agcannnann aagtcttcta tattacaacc 180
 cgcacgagtt caagagagga ggagtaaaga acatgaggac taaaaacaac ggaaacgatg 240
 tggcatcctt tactaaaaga aagattaggt ccgcactgtg acaataaggc tcgaactcag 300
 acaaagaaac agtggttgcc tccgtaagtc aagatcaacg ccgccaagtc taggacatct 360
 aaaagtagcc aaaaagaaac tcggaagata atgtggggac acgaaccgga aaataatagc 420
 acaacaagtt gagctaaaaa aattgccgca cgggcgctag ccgagtcaaa caatccacca 480
 aagagcaggg accacaaaca catgaaaacc agaacgaggg accaaaacaa caacct 536

<210> 35861
 <211> 379
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35861

agcttctcct ttaattntct ataaataggg ggagaagtga agtgaanaag ggttcanccc 60
 cttatgcact tctctctctt tcgaatttgc ttggaaaaat tgtttccgta aagaaaatcc 120
 aagccgaggg gcttccgaaa tgttttcgta acatttccgt gaggaatttc gcgaagggtt 180
 cgaccgttct tcgacgttct tcattcggtc ttcacgttcc ttcgatcttc aaaagggtaa 240
 gtacctcgaa ccaagctntt cgattcattc tatgtatccg tgggtggtcca cattgtgttt 300
 cgtgtatttt tattctcttt tcatttactt tctatacccc cttttgacgt gcttaagcca 360
 ctttatttaa gtcatttct 379

<210> 35862
 <211> 144
 <212> DNA
 <213> Glycine max
 <400> 35862

tagaccgggt ccttaagaca ctgcagctgc agcttttttt gatttaatga cagccacagg 60
 ggggaagctt ataaccataa cctttactta acaatctaag atctttttaa cagattgact 120
 acaaatgaat ctcatataa cctc 144

<210> 35863
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35863

acgacaataa ctgtctactc ggatgtgtaa ttgagtcccg taatatatcg agacgctcga 60
 nattgaatgt tgaacctatg agccaatnca aacgacaata actttttact cggatgtctg 120
 attgagtccc ataatatatc gagacgctcg aaattgaatg ttgaacctct gatccaattc 180
 caacgacaat cactttttac tccgatgtcc gattcagtgg tgtaatatat cgggacgctc 240
 gacattgaat gttgaacttc tgagccaatt caaacgacaa taacttttta ctctgatgta 300
 tgatcgaatc ccgaaatata tcgagacgct cgaaattgaa tgttgaacct ctgatccatt 360
 tcaacgacaa taacttttac tcgatgtccg attatagacg aattatc 407

<210> 35864
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35864

gcgtattgag ctacgctcac ggcaannagt agccccggat ccttaagcac ctgcagctgc 60
 aaccattttt tcttaatcac cacgacaaca cggggctaca tgctgatgct caccgaagtt 120
 ctactggcaa acctcctcta atactttatt tctagacacc aactactagc ctacattgga 180
 ttacgaaccc aacataagac cttcattgca agcgggtatt gcatattaca catactccat 240
 ggggtttata ctacaaaagt tgaatgcggt aaggagcatt ctataacaaa agttctctta 300
 tatggataaa atacgggaca catattccaa aacgaagcca actactgcag gggctgctca 360
 tgtagacgcc ttggtcacca gaacaaatgt cataacccta tcaaacggaa tcttcattgct 420
 ctttaaacga aagattttcg 440

[illegible][illegible][illegible][illegible][illegible][illegible][illegible]

A

[illegible]

gtaaagcaaa gaaccgaaat ttgcagcatc tttcatagaa ttaattacca ataggaacag 120
 tgaatTTTgg aaatgcagtg tacaacaaac tctatatgtt tttgtaaaat agtagtaggc 180
 tataTntatt tttgtaaatt acacttccaa tntgaataga catctacaat agtaaaatac 240
 taattaaagc ttaatatataat cTTTTtcaat catccacttg atgctccaga agttagagtc 300
 acatttgtaa gccaataag cccatccaaa tttggcacga gagtatacat ccacttggac 360
 ttgcgtaaan ttttgttggt ctttcttga tgcattatga actttccaat cactactcca 420
 ttccgctgcg agattcacca acaacatg 448

<210> 35868
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35868

agcttTgtgtt gttcttacga atgatgacat ggtcaattga actctcagaa tatgatattg 60
 cctacaagct gagaggtact atccgagccc aagtactagc caacttcatt aatgaattcc 120
 atccccacc accatatttc aagtaggaat ggtggacgat gcatgtgtaa aactcttcca 180
 ataggcacgg gagtggtgtt ggggttattc tcgaaggacc atggtacaat cttacattn 240
 tggattcaaa gccacatgca attaggccga atacgaagaa ctctttgcag gttaaaggct 300
 ttccaaacag gttgatgctc aaaggggccg gtgtcgaagc gactccaaga tcgccgttga 360
 gtatatcaac 370

<210> 35869
 <211> 319
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35869

agcttgacat tgtagatac atcttcttca cttttgcatt cttgctccat tcattgaagc 60
 catatccact tgcaattcca agtgtcaaac ctctcacaa caaaggTTtg aagaccatca 120
 aacttttcca aaatctttga atgaagagat gaatcttctc cctcatgtcc ttcttcccc 180
 acatttctag cacccttctt tatccaagag ccatcatgct ccttaatata accaaaggat 240

gctatgactg aagcgcatat aaggaatgat ctcttgattg gaacatangg ttcataatca 300
tgacgtatgt tgaagtgtt 319

<210> 35870
<211> 319
<212> DNA
<213> Glycine max

<400> 35870

tgcaagctaa ctttttttta ctttgcgcat ccacacctcg acagcgtgga gtaccgctca 60
gagtgcgcg tgggtgcccac acccctcaa ttaattcgcg ccattccgct ccttccgaca 120
cctcaacacg ggctccacat tagtggaatt cccaaattgc ccttttccaa ttcttacatt 180
gtctacgagt cataattgta ttgagcatca cactcacttt tatcacaatc tgcattgcacc 240
atgcaaaacc cagaccctat atatctatgc cctaaccatc tcaacacaga accttaataa 300
tctataccat aatcttcat 319

<210> 35871
<211> 492
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35871

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tttataacaa accacaccca ggcgagaaaa aaggaccccc ccacagacgg aagacacaaa 120
gagccgaggg gaaccagac aggagaaccc aaaacacaga cccaacccg acaccgccac 180
acaaaccac gaagccgaga gggccgacca gcgcgagagg cgccggcacg aaccagcaaa 240
aagggcgagg accacnaaac acgcaaggcg gagggacacg cgacaagccc gcgacgaggc 300
ncacgaaacc aaaggcggca aagcgcgcgg aaccggacca acgggcgaac ggcacacgaa 360
cagaaacgcg gcaacaaccg cacgaaacac acccaacggg acccggagg agagcgccaa 420
cccaacgagc gagaccacag cagaaggcca cagcgcgcac cccgacggca ccacaagacc 480
aagaacngna cg 492

<210> 35872
<211> 292

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35872

 agtaagcgaa gtgataatga aagcatacaa aacacgaatg gaccactgag ggtgcataaa 60
 atgaactgaa agattcgatt ttgagaactt ataggttgaa gaccgaagaa caacgaagaa 120
 ctttcacaga atcactcacg aaaacgtctc ggaagcgta cggaagcacc tcggcttgaa 180
 ttattctcct ttttcttctt ctctcacta attttaagtg attcctgagt ntctagggtg 240
 ctatgcccct tcctcagcc tccaatgcc tttaaataac aaaatatggg ga 292

<210> 35873
 <211> 384
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35873

 agcgtgtttg atgntattta ccatcaaccn gnatacaggg cgtggtggct atgtatagta 60
 tgacggaatg gaactatgat cttacatcgt attaataggc acgtgttggt tgaacataaa 120
 agcacgataa gaacacttct ctttgaatgg ttggccttca caaagtacaa cacaacaatg 180
 ctttacatat aagacgaatg tggttctaca aaaagatcca atatcataac gaacatgcat 240
 gtgacactac ctcatactga tgaggatctt gacactaact caccgtatga atacagtatt 300
 atacacaagc tacaccttta agacgatatc atgttatcca ctggcaatca cacatactta 360
 ggggccatca naagatacat gtta 384

<210> 35874
 <211> 87
 <212> DNA
 <213> Glycine max

 <400> 35874

 tggcgtaaaa aatttctctc cgccctgaca ctcatcgag aactatgtaa ttatctaaca 60
 tctctgagac atggaaccat acagacg 87

<210> 35875
 <211> 412

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35875

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 ttcttctatt ttcagattgc ggatgccttt aacagcacct ttgtcaatga ttttcttcat 120
 gcctcttaag tgcagatgtc caaatctttg atgcatatt ctgacttcat cttctttgga 180
 ggatagacat gtggaggagt agctggtttc ttgggggtgtc cataagtaac aattgtcctt 240
 tgatctgctg cccttcatta gaacttcact cttctcattt gtcaccaagc attctgactt 300
 tgtgaagttt acattgaacc cttcatcaca cagctgactg atgctgatcc aagttgcagt 360
 cagtccttc accagcagta ctttgttcag actangaagt ccatcatgaa ct 412

<210> 35876
 <211> 441
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35876

 agcangtttc tgccatcaga accatctcat tctcaactga ggcgtgttgg agcagatata 60
 ccagccaagt gagtgccttg ctacatcaga aagnttgaat gtgatcttct gatcatctat 120
 gcccatctac agattacctc ttcccatatc cgccacacaa ttggcggttc gcatgatagg 180
 acatacccaa attagaggga tctcagcatc ctcattaatg tcgcatgatc acaaagtccg 240
 cacggaaagt gaactgtcac accttgacca aacatctacc accacgccat aaagcctagt 300
 aatggaacga tctgccagct gcaatgtcat tcttgttga taattttcag ctctccaagt 360
 cttgtggaca tggagagcga catctaatta atgctagctt ccanatcaat gagagctggt 420
 ccaactgaca ccgcaccaat a 441

<210> 35877
 <211> 383
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35877

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 cttgttagac aagtggcctc agatatctta agaagggggg ttgaattaag atattacaaa 120
 ctattttccc aattaaaatt ctactttgat tntaatgcaa gttcaaagtt cccttaaaga 180
 ttaatttcta aatgatgatt caaaataacc aaactgaatg taaaagtaaa gcaacaataa 240
 ataaaagagt ttaaggggaag agagagtgca aactcagttt tatactgggtt cggccacacc 300
 cttgtgecta cgtccagtc ccaagcaacc cacttgagag ttccactaac ttgcanaaac 360
 cctttacaag ttctgaacca cac 383

<210> 35878
 <211> 439
 <212> DNA
 <213> Glycine max

<400> 35878
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 gatatcttaa gaaggggggg ttgaattaag atattccaaa cttttctcct aattaaaaat 120
 ctatcttact ttctacttaa gttatgaatt cccttaatga caatcttctt aaatattaat 180
 tcacatgaag caacttgaat tatgaatata aagcaataat aaataaagga gattaaggga 240
 agagaaaatg caaactcact ttatatactgg ttctgccaca cccttggtgcc tacgtccagt 300
 cccaagcaa ccgcttgag agttccacta acttgtaaat tccttttaca agttctaaac 360
 acacaacgac gaacccttct ttgtgttttag agattctgta caacaagaga ctcacagtct 420
 cttaatccct tatagaatg 439

<210> 35879
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35879

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 catacgcaac tgcaaatttc atgtgtttta gttacaaca acttagttat ctttagtctt 120
 gtctaagcaa tatgacagat acatgagtgt ctaaagaaga tccaagccca taaaaccttg 180
 aagttttaga gaataataaa gaatgagaga gtttatatgg cntntagaca tatgtgataa 240

ggaacagagg aagcttgtgg ttgttcctta agcttctata atgattgaag attgaanaat 300
tagcaactgt cataacttcg tacccttctg tccagaggct cttacctatg cgaatgtatg 360
ggggagggat gatgta 376

<210> 35880
<211> 406
<212> DNA
<213> Glycine max

<400> 35880
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gaatataat caccccaaca aaaaaatgag agaaaaaac caatataact tttttttgct 120
gaaatcagac tcgaatgcat ctatgctagt ccaccgtagt gactaccac attatatgaa 180
tcatattcct atccagtaag aacatatcag cttcttcatt ggttcaatcc ggaatctttc 240
gacgaggacc cgcagtttcg tatccacaag gcagtgtatt tctaaaatgc acttattaac 300
atatttcagt tttgttcaga atgtgtagag acttgacac ctatcacttt ggtgtcatgc 360
tttcttttac ttcgactgca acgcgatcta gaatattttg tctttg 406

<210> 35881
<211> 303
<212> DNA
<213> Glycine max

<400> 35881
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agatatctcg attttccatc tgataactcc atcaagttga gcttttcaga aaattcagaa 120
ctatgagcag caaccagttg gatgcccttt tcaaaacttg tctttggggg ctctataaaa 180
tgtagactat caattgtttg aggcctttgaa tgtctcggac ttaacacata tggagaacac 240
ttgcgtgtgg ccacttgaca tggaattgag ctgcgggttct gatgcgatca tctttgcttt 300
ttt 303

<210> 35882
<211> 265
<212> DNA
<213> Glycine max

<400> 35882

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 aaacatatat ggtagttct aatatataat taatgctttt gctacactca aagaagtcta 120
 atccctacct actctaaaag aattcatgag aatcatagct tttcgacaat cttatatgta 180
 ttcattacct atcaaacacg aaaatcatga catttcgctg taacattctt gagagcatgt 240
 aaagatattc agctatgaaa catct 265

<210> 35883

<211> 352

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35883

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 tacagtgttt ctgatatttn tgactcagaa atttccattc atctcattgg aaaagtccaa 120
 cccacatttc actgtatatt agattcaact tcttgatata atgtgctaac gaagcacaag 180
 atttagactc atgatattga gttcgggata ctgagaaatt taatctacaa tgggcatctt 240
 gttgaataaa aagcacgcta aaattaacat gaacaaaatc atgccaataa taactataga 300
 acattagaca aactgacaa acttagtcgc attagccact aattgaataa ca 352

<210> 35884

<211> 254

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35884

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 agaggatttg ggggaagaag ggagaatgga aaagaagaca ggggggaacg aggagggata 120
 aaaagaaaag ggggaagagag agagaaagaa gagaggggaag gaaggaaaaa agatagaatg 180
 ggagagagaa aaagagaaga gaaaaagaga aaatagaaag gggagaggag aagaaggaga 240
 ggataggaag gaac 254

<210> 35885
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35885

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 tcaagaaagc ttcttaagga agctacctac tctataaata gaagtatgtg taacacttgt 180
 tgtaactttg atgaatgaga gtcttgtgag acacaactca tagttcaact tctctccctt 240
 tttcttccct caatttcgtg ctccccctc tctctatctc tgctctatc tttttctcca 300
 ttgaagcatc ctctccaagc ttcttatcca aggctcatct tgggtggtgaa gctccctctt 360
 ccatggctta tctcctagtgt gatgacgcct cctctgacct cttctacttt gtcgtccgat 420
 gcatctccat ggtggaaaat caccattg 448

<210> 35886
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35886

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 ggagcacaat agaagatga ttttgctgaa ttaaagtgtg tgacaaacat ttacaaatga 120
 aattaagact ttattgtaaa atatataatt aaatcaattt cgttggttttg tttttttcat 180
 cttcactaat atgctggaat tgtgattata tattacatct tcggttgtga aanaagtaaa 240
 gaatagaatt actattacat tatataaggc gactaaatat aacatgtaca atagaaatac 300
 aatttttgtt gtacaatgta caacagaatt atatttttat tgtgcatcgt ttattagcaa 360
 agaaatatat aaatctttca cttaaataaaa ttgagattat ctgttataca atagaatctt 420
 ga 442

<210> 35887
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35887

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 aactatcctg aagcagaaac ctagctaaac taccatcat atctccctaa acccaatacc 120
 cacaaaaatc aagtgagaaa gaagtctacc caaacctgaa atttcaaagt ctcacacata 180
 gagatgtgct tcacaactcc gaanatgcct tcctttcgcg atttggagca gaaatggtga 240
 ctaaagggtg gagctntaat ggaggcttca atggagagga agaagaagag aatggaaacg 300
 tgagagagag agagagaaaa aggcttctga acatttgggg ctgagtgagg agagagaata 360
 caactntcat ctactattat acaaacaaag ccctgacatt ggctgtagga ccacagtgtc 420
 atgctgtggt gcttcaattc ccgccccaaa atatcac 457

<210> 35888
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35888

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 tcctcacgtt taatcctcaa tagaatagta tactctatag ttttaactca cacagtgcac 120
 gcaaaaatgc tactgtttca tagttccagt tagtcacggg ttacgaagga aaacgaaatt 180
 cataggagag aaaatgaaaa aagcaataat caaaagcttg gtgggtttaat agccttacct 240
 caaaagtcaa aacctttcaa gcgttattct tcctttcatt aactctctcg cttggcacia 300
 ctttgtggtt ttccctcag atcttatgtt atttctttat tctaacagc acgcatccat 360
 cgttgaggtt gattccagcg atggtgcaga tcttatggtt 400

<210> 35889
 <211> 349
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35889

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<223>      unsure at all n locations
<400>      35890
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<210>	35891
<211>	401
<212>	DNA
<213>	Glycine max

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caaagcgcta	cacaattgac	ctggccgaaa	atctttttata	aaaatattca	tcagcgtcca	120
acacatcttt	ttgtccaact	cgctaacaaa	acttgtggaa	atattttata	ctttcattta	180
agattttctc	atccaaaaat	gaacacttga	tatagttctt	ttctctatgt	tgttcgaatg	240
ctaagggtta	tttgtgctta	cattcttcat	tgtatgaacc	ttagtctgat	attccttttt	300
gttttttttca	aatatgctct	aatgttttaa	tttcaaacat	gaaaataaaa	aaattgtaaa	360

tataagcaca acctctgatc aaacataaag ctacacaacg a

401

<210> 35892
<211> 304
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35892

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ctcttgatc agatccatgt accttcgacg ctttgtcatg accggagccg gtggagtcag 120
aggggaagca gctcttttgg atctgcgaag atcggagcgg gccggtgggc ttgggcttcn 180
ggcctggatc ttctcgcgct gggagcggag cctttcgacg ttgccttcga ttttgccttg 240
gaggcggagg cgcttganac tgaggccgcc catggaccag tgggcctctt cggcccatga 300
catg 304

<210> 35893
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35893

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aagtcattaa caaacactca ttcataagaa ttcacaccac agaatatcat aatcaatcag 120
ttcactgttc aaacaagctn tntgtacaag caatcaacac taaaataact ggaatttaaa 180
tgactgaaac ataaactaaa taactgataa aataaattgt tcataatttg caggattnta 240
aaaactatgc agaatttaaa actcctgatc atcctactgc tgatcttctg catgctcgtt 300
caaatccagc acctgagcag taggctcctg agctgctgct tctcctgag cgactagatc 360
agtctcaaag acaaatggct caggaggagc aagctcatcc tct 403

<210> 35894
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 35894

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tcacaagatg taactcttcc aatgggttttc aagggtttct aaagggtata actcttccaa 120

tggttttctt gaccagactt gaagagtcta taaaagcaag accttgattt gcatttgaat 180

aacacttact actttacaaa caacttttcc acatattctt ttacaacctt tgaatctctt 240

tgaacatctt ctggaacttc ttcttcttct tcttccttg caaaagcttt ctatagtttt 300

ctgggtttcc aaaccttcga aacaaaagtg tggtattcat ctttttcatt ctcttcntcc 360

tttgccanna agatttgcca aggactaacc gtctgaattc tattgtgtct ctcttct 417

<210> 35895

<211> 338

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35895

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ccacatgtag ctgggaacac tntagcctca acagaacagg tataatacaa acaactatag 120

tagctccatg gatccttcac caagacttca tcaacagtcc caacaatcaa acagtataaa 180

tcttggtttg acaanaaaca attgtaatat attagcacac atgtgcacaa attagatatt 240

ggttaataac aaaagaatga aatggaactt gacctgtgtc aatgggttta tctcacctag 300

cctcaccact tttgcattac gtaaaaatct accaagtg 338

<210> 35896

<211> 457

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35896

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actgcaaacc ctctanatca aacctgcaa aaagaanaca cttcaaagat aaaagtcana 120

ttgagtaa at catgtcttat ctacaagggt tctaccatta gcattctttt ccaagttgat 180

gtatattagt acttgaaaga gaaagttaca atcacttaca gggaacaaat gcaatctcta 240

atntgttgaa accttgagac atcctttttg taggttgtaa agttcaaatt tataaaaaca 300
aatttgaagc aaagtggatg aatttcagca actataatag tgaataagtt actacaagac 360
agaagaaaca aatgtacaaa gacttgggta catgtgcgca tgtgctatac cagaaataga 420
aagtacttgn gaagaacctg aatctaattc caatctt 457

<210> 35897
<211> 300
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35897

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gcacagggggg gaactacggg acaaccgacc aacgcagggg aacgacagaa cgagagaaaaa 120
cacgggggaaa acgcccagag aaaggacgcc cccccaaccg gccacgcaag tcaccatctc 180
ccggccagat gaccagcccc gccaggcaca gcccgagaag gcgacggacg tccccccacc 240
cacacgtcct aacaagcaca ggacccaagc acagcaggcc aaggcgcaaca agaggcgcac 300

<210> 35898
<211> 453
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35898

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gctatttttac agaaataatg acatagtaat cttttcgact tataacaaac ttgtgcacac 120
atttcctga agaagaacat ttatgaacgt gcatacgcg aaaatatact gctatctata 180
tcaatataca aggatattca aaacattcta gctacctata tcccacacat attcttttga 240
caagaattca tatatgcatg ctgaaggat agtgccagaa ttacatatgt ccgtattcaa 300
agcattctgc taccanaaag tacatacgca catgcaagg attttactac ctaaattatc 360
atacaaatta atatagggtg ttgttggttg ctcattcaca tatattgtat acatatatgc 420
acatgcgaga gccaatcca tgttatggac aca 453

<210> 35899

<211> 335
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35899

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 tttccatgat tgataaataa tgttccttgc tttatcatat gagtatgggt ctccccaaaa 120
 tttatctctg gttatggggc tgcgaattag tgatgattgc actcgaatga ctgatttact 180
 tgcgaaacat acaagaacgg acacatactt acattcatac atgatcagac tcaatatcaa 240
 aaatacgatc ttcctctgta cctgaaactg atatgatttt ctatttactc gattcacaag 300
 gaatagtatt tattaccaac acctttctat atact 335

<210> 35900
 <211> 87
 <212> DNA
 <213> Glycine max

 <400> 35900

 atgacgatga aatcgaagtg cacattgaca gtgtggatgc tgagactctc tgggagcttg 60
 atatatttgt taccaactat aagaaaa 87

<210> 35901
 <211> 198
 <212> DNA
 <213> Glycine max

 <400> 35901

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 aatagaacgg atcgcgcat ttgctaactc ttttatattc cttagctcaa cactaaacag 120
 tggattactt gcttgtatct cacgattgaa gagccatgca cagagactcc tcttgcata 180
 ctatgtggca taataacc 198

<210> 35902
 <211> 539
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations

<400> 35902

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gagttgacct gcggcatgca agtcttttct atcttgtgnt agagacgngc attaggaaga 120
tgatatgata gaaaagagca attataatca atcgaagatt aaagaatgga taatagataa 180
gacgaacagg gggttctttg gaccatacaa tatctgaact acgtgcataa ttgcgcacag 240
agaatactgt tatagataag tattgataac ttggttggac ccttgggggtg tacatatatc 300
acctgtatca gttactaact gaatatttgt gtactctgct gtaccgcgct gaaccaaata 360
taatatgaaa ctgataggga gatgtcacta catccaaagc catattccca cctaaatggt 420
acctcatact gccctatcga tccatgatga ttatgcntat tatctttgat tccgatgggat 480
atgactagcc aagtcagtcc atgacatgct tatagtccgg aattacgatg acataacttg 539

<210> 35903

<211> 454

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35903

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ttgacataat ttggtctttg tttgtcaaag agcattntac acctatccac ccttcataa 120
ccatttgtca agtgtagctg attgatgttc ttttgacgaa caatatatta aaatctttat 180
gcaagttcga tagaatttga aaataaacia aacaaaaaat acacatcaaa attattgtca 240
aagaaagtac agtgcataca aatgcatgat ttacaatagc aacaaccaca taattaataa 300
cattagtaaa gttaaggatg gngactcaca agatactgat tattgtgtct ttagtcaaaa 360
tttctctgaa ttntgtcatt taatccacac caaaaatttt caattaaact gaaattcact 420
aaattgctta atttggataa caactataat aact 454

<210> 35904

<211> 459

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35904

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aacagcagaa gtccactatt ctatgtaatt tggaagtaat taagggtcaa tactccatat 180
gtntaatagg agagaaggca tattaacac tggccaatgt ctaanaatag agtcattgtc 240
ttcatcaatg tcttcagaat ctgtttcatt gtttatgaaa cttcgtgctt gacacttctt 300
atattcttcc cactntttga ttgctntaag aagttcttgg gaaagaacaa ttttttctga 360
aaaagaaatt tcagttttgt tgggctcctt ataggggata tatgactcan aatatgaaca 420
gtgccataaa tcatcatgac atcctagagg gtctatatc 459

<210> 35905
<211> 450
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35905

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tggtacttgg gaagattang ggtggcaatg taagccttgg ccggacgagt tgggctagat 120
gactcaaccc gctagcccat attgactcac cccgcctaac ccaccaacct agcgggacag 180
gttggctagc cagccatcca tacatacata tacatatata tacaatatagg tgttttgtct 240
tacttgtcac tttgtatctt ttaagtttat agtgctattc aaaaatcaca atatatatgt 300
gctatcatct ttatattatt ttataaattt aattccttta atacaaatag acaaatttat 360
attaaaatta aatctaggat aaacaattaa tatattntat gttctctaga taaatctgtt 420
catttgggat aactttatag aataagatga 450

<210> 35906
<211> 601
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35906

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nnaaaaaaaa aaaagaggan agttgacact gagccctcg ncanacccca nnaannnnan 120

nnangnnncn ggngagnnna nanagangaa nggaaggnag ggagaggatt attttattgg 180
aagaaaagag agagagagtg gaggaggggtg aaatagaatg aataaaggaa ggagagaggt 240
ggaggtatga aaagagaatg ataagaatat gatagatgaa agtaagaaga agtgaagtgt 300
aggggattgg atgagagatt gaggaacaat gagaagaaaa gtatatagaa gtaggagaga 360
aagtgagaat gaaaaaantt gtaagagaag gtgaagatag ggaaagacaa agaataagg 420
aataaaatga atgagttaga ataggagaac gtagataatg agtaacataa gaagaagaga 480
agatgcgagg acaaagacga ggaaattggg gnatagagga aattacccaa ccacgcaatt 540
gccccgcaca caggcttaac aaaccgaagc acggccgcca cagggccaac acaaggaacc 600
g 601

<210> 35907
<211> 245
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35907

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ttgacgggag gacgagaagc ggaccaaaaa ggaaaaggag gaaggacaag acggccaaag 120
aggccaacgc acaaaaaaag gacaaaagaa aagaaaaaag aagaagaaaa caaaaacaaa 180
agagaaacag acacaagccc caaaaacacg aggggaagcaa angaaaaaac aggacgacgg 240
acaac 245

<210> 35908
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35908

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tgcataagag cacaagggtg tgcacaagca catgagagta aaagcttcat ggtataaaga 120
aacttcatga gcctttgttt ttaagctaaa attcgtattg ctgcttagc gcacagccgc 180
ccttatcgag tcaatataac gattggtttt aacaaagcct tgtgcttagc ccaacctcgc 240

gactg gatga	catacaagat	ggacgaaata	caaccaagat	gaaataacag	acggataaga	300
taagatgtga	taaaataaaa	tcgcccgctc	tctaaaagac	caagcccaat	agcttataac	360
gaccctgcaa	atgaaaaaaaa	acacaaaatt	aggcatggag	accacatga	caaaactgca	420
taatgaagtg	gacaaccaag	gctaatacacc	aaataaaatg	gcgagaaaaa	ccggtcagaa	480
acaagagaaa	ataatgacac	atcagtcatg	toggacaacc	attagctagc	cacacactcc	540
cctgacacta	gagactgacg	acttagctcg	accttgacca	cactcttatt	tcaagctcag	600
ccccagggca	agcactacac	ngctaccgg				629

<210>	35911
<211>	308
<212>	DNA
<213>	Glycine max

aaaagaaaag	aagagaaaaa	aaaaaaagaa	gagggagacg	ggaccnaaaa	gaannggaga	60
aaagaaaaaa	gaaaaaataa	gaaaaaaaaa	agggagagag	agaaaggaaa	aaaaagaaaa	120
gaaagaagag	gaagagagga	agaagaagaa	aaaaaggaag	gaggagaggg	agaaggggaa	180
gaagagaaaa	agaagaagaa	aaaggaggaa	aaggaaaaag	aggaggaaga	agaaagggaag	240
aagagaaaaag	ggaaagaaaa	gagaaaaaga	gaagaaaaaa	aagagaagag	aagaggaaaaa	300
agggagaa						308

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<223>      unsure at all n locations
<400>      35912
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anagaaaaaa	aaaaaaattt	tgttttatat	ataaannaat	attaaatgga	gagagtggag	180
agatgtntaa	aatgagatag	gatagaagaa	ngggattagg	aaggaaatag	agagagaaag	240
agaaagggaa	gaaagagagg	ggataaagat	gagaggaaag	aaataggaga	gagggaaagag	300

atctttgtct ttgtggaaga acatggagat ggtgtgcgga ggcgaggtat gacaggacgc 60
 aattttccct ctgcaaggac gccaacgcca gtgacatctg agaagcttgg atatataagg 120
 actgtaaagc aacttagaag ttcattgacta ggacttgaga agagtgaag gttaaaatac 180
 ttctatctct taagtttgac aatttgttta agtgcacaga ttaaagctaa tgtttttgat 240
 tctacgtagc agggcaggtc gtccaaccac cagtaaaactt tctgatcgta aggcataatgc 300
 acgccagaaa cattcagcaa ttagtgcac agcagatntt cttgggtacta atttctgctt 360
 ctagaanaga ataattgatct caccttctca tatgtgtata atacaagtat atcataatc 420
 ac 422

<210> 35916
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35916

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 aggggtcgaa cttcaaaca gctcgccag ttaagtagat ttttaggcta tcaattcttc 120
 aaataggtaa aattgagtca taaaaaatgg tctatgacaa gtaacaatt catacttagg 180
 cttacccaaa gtctagccta gtctgtcttg tttcatctc aaatgcctat atttaagttt 240
 ttttttttat aaaaaataa gtctatttta tatctatgca tttattttat atttactatt 300
 taatttaata cttaaatgtc tntttcatc ttgcanatat gttacttttc ctataagtcc 360
 agcaagtata tttttgggct ctcaaattat atttnttatt tgtagctctc taaataatat 420
 tntttaataa actcc 435

<210> 35917
 <211> 453
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35917

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 ttagagttta tctctcttat cttagtgaaga gtgattctcc taaattcttg agtgattcaa 120

gaacaccctg gctgtatcaa aggactttca caacctttgt gtgttgccct cgctggaaag 180
 agtgattctt ttcttctttt catcttcacc cttgttcttt caaaccacaa ttccagagaa 240
 ttcacctetg cccagaatta tctcgtggcc ataactccca ttntacgcac tcaaattaag 300
 tgattcttga gcctacattg aatttcataa cgagaccttt cacctcgctt tggaatcacc 360
 tcatttggag tctgttagct tcagttattg ccatttctat atttctgcca gccatcactt 420
 aactacgtt taccatccca tcatccatct atg 453

<210> 35918
 <211> 263
 <212> DNA
 <213> Glycine max

<400> 35918
 catatatacc tcttcttcta cataaccatt aaaaagaact gtttcacatt catttggtgc 60
 aactcaaggt caaaataagc aactaatgcc aagatataca aagagaatct ttcatagata 120
 caggagaaaa agtctttgtg tagtcgattc cttctttgtg agtaaattccc tatgcaacga 180
 gtcttgccctg gtatctctca atgttggcta atgaatccct tttggtctta aaaaccctt 240
 tacagccaag ggcctttgcc cta 263

<210> 35919
 <211> 183
 <212> DNA
 <213> Glycine max

<400> 35919
 ctctttcaga gccatgctat gtgctcgtga ctggccattt cttccctcgc acttgagtcg 60
 ctatgctacc cataagctcg cgaaattatc ccggcccata ctcttcttgc gagccctctt 120
 ggtctcttgt tcaagggtc ttgcggtaat tgcattctct tcccgttaacc cggcacactc 180
 ctt 183

<210> 35920
 <211> 274
 <212> DNA
 <213> Glycine max

<400> 35920

gcttctatct gaccaaaaag gacggtctta taccgcgccc tatttttgct cgagctcatg 60
 ctgatatcga gatgggttctt ctgatgggat atggtagcaa tcaactattat aagcatatga 120
 ttaactagac gtgcgggttac atgcctctct taaaaacttt acatgatgat ttgtaattat 180
 tctttcttct tttcgaatgc cgcaccaagc tttaggcgac catcatttga aatattactg 240
 ttatcatttg atgtactttc tgggctatct tttc 274

<210> 35921
 <211> 314
 <212> DNA
 <213> Glycine max

<400> 35921
 agctcggacc cgggatccta tgagatcacc tgcattgctg aagcttcatt gtcttcatgc 60
 cgacttaca caacgagccg cgagagactc atcgtaagga tgcacacgct aaagctgact 120
 ctgcgaaaag attgtatgac caagcgatcg tgcatttgc aaagaagaat gaaagttata 180
 ctaaacgggc catcaagaga aggaatgaag tggtagctgt acctgatgat gatcctggac 240
 atgtgatggc aaatgctcta cagccaagat ggaatgatga tcttgaaatt ggccaaatac 300
 aagctaaatg ccta 314

<210> 35922
 <211> 345
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35922

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 tttattaaag caccacatgt gctggaaaca acatatatac atgttgcaat aatccctcca 120
 gaatgaacat cacagccaac aaaaatcctg tcttcccca gtgcatacca tatatgtcct 180
 aaggaaaaag aatcttanaa tttatttcca tgtgttttcc aatatatata tatccatgta 240
 tggtagcattc cgggggaatt ttgtagcttc ttttatttac tatattctct catactttta 300
 ttctcatcta gagtgatgaa aatgtggtat tcttatgaga atatg 345

<210> 35923
 <211> 533

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35923

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 tatacagacc gcctgcatgc atgcaagcan agtcattggn ctaanagaca gggcaacaca 120
 cagacagga tggtaatagg agccnccaca cgccaagaaa catccaaaaa gaccattaga 180
 gaagacctcc ctatctatga atggtggagc tacgatggaa tgacacgaat agacgcttgt 240
 gtaccgtgta ctctcgccct ctaatgaaaa taatgatcca cacggactgg aaggaggaat 300
 agaggcttcc tgtgaccat aataccgctg acttcaacgt cagcgtactt accgcttctt 360
 cgatggatca gccattagag gagagtggcc gggatctcaa tcggatcaca tgaaagagat 420
 cgaacaacac atgatatcat ggccttgccg cgagcgatcc ggcaccaatg aatgaatgag 480
 gctggacaca aatgggcgcc acggtttcga gagaaaaacg ctgcaaattc gaa 533

<210> 35924
 <211> 301
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35924

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 ctacaacaat tgtagcaaga cctagtatcc ataatgagag anaatttggt gtttaatacc 120
 ttgcatcttg tatgaaagat gttctctctt taagtttggg ttacgccaca agattaactt 180
 gttggatcga gtggcctcag atcaattaag aagggggggt taaattaatt attcttaaac 240
 ctttactaat taataattac tctgttaagg cttttactaa attgttaaga gaatgacgac 300
 t 301

<210> 35925
 <211> 370
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35925

accgggatcc ttaagcacct gcagctgcag cttttttttt atttctatca gctatcccag 60
 aggagaacga ccaagtgtgc cacacttcat agcatgggag gagcattgat attatcagcg 120
 aagcctgaca cttgggcatt nttccatgga cacaatgac gtgtcctagt gagccataat 180
 accctgcctc agactttcgc catggcatgt tgagcatgct ccaaggatcc tatgcattca 240
 tagcattttc acctcctgac tcaccatcga gcaaacatta tgggtctctg acagaatcca 300
 ctcagaaaag cgatgccctt ggacattttt gtgtgcgaac ctccatgggtt ttgcttcat 360
 tatgttattc 370

<210> 35926
 <211> 247
 <212> DNA
 <213> Glycine max

<400> 35926
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 taatccctcc agaatgaaca tcacaggcaa cataaatgct gaccttcccc agtgcgtacc 120
 atgtgtggcc taaggaatag gaatcgtaaa atttatttcc atgcgtattt caatatatat 180
 atatccatcg ctgggtgcata cccgggggaat atctgagctc ctttattgta ctatattctc 240
 tcatact 247

<210> 35927
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35927

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 ggtgattttc caccatggag atgcagcgga agacaaagga naggagggtga gaggaggcgc 120
 catccattaa ggaataagcc atggaagaag gagcttcacc accaagatga gccttggata 180
 agaagcttgg agaggatgat tcaatggagg aaaagataga gggagagaaa gagggagggg 240
 gagcacgaaa ttgaaggaag aaaaaggag agaagttgaa ctttgagttg tgtctcacia 300
 gactctcatt catcaaagtt acaacaagtg ttacacatgc ttctatttat agactangta 360
 gcttccttga gaagctntct tgatgttagt gntagctct actg 404

<210> 35928
 <211> 462
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35928

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 atatctccag gtaccactnt gtggtcaacg aataaaagta ggaagactga ctcttcaca 120
 ctttctcact tcaagcttgt aggattatgg ggtaccatc atatatggta ctaggtggca 180
 atcgggcat ggtgcaagtc gactctccac atccacaaat cacagataaa tccaccatcc 240
 ccagttgcc accttcaact gagctcacgt actccacgt agcccttatt ctcgttcttc 300
 tcaacaccgg gtcccatca atccctccaa gcttcanaa catccaagca attcaacatc 360
 caaacatcat gagctatcca aaccaagaaa acagggcaga ggcagattac tctgccc aaa 420
 acacattcca ataccacagc tntccttact canataccca gt 462

<210> 35929
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35929

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 acaaagttga gctgcccggt gagtataatg ttagttccac cttcaatgtc tttgatttac 120
 ctctttntga tgcagatgta gaatccgatt tgaggacaaa tccttctcaa gagggagaga 180
 atgatgagga catgaccaag agcaagggca aggatccact tgaaggactt ggaggaccta 240
 tgacaagggc tagagcaagg aaagccaagg aagctcttca acaagtgtg tccatactat 300
 tngaatacaa gcccaagttt caaggagaat agtccaagg tgtgagttgt atcatggccc 360
 anatggagga tgactatatg acaccactct tgtctcaatt tt 402

<210> 35930
 <211> 64
 <212> DNA
 <213> Glycine max

DEVELOPMENT

<210>	35931
<211>	385
<212>	DNA
<213>	Glycine max

tacgctcaat	actcagacac	caacaaaaat	taaanttann	naanaaacga	ccattctgag	60
acccnannnn	nanggggggn	nnnnngggng	nggcgnnant	ttttattgan	anngaaggag	120
ggggggaaaa	aagaaaaaan	ggaagaaaag	aaaaaggaag	aagaaagaaa	aagaggagaa	180
aaaaaaaaag	aaaagagag	agagaaagga	aaaaaagaga	ggaaaaaaa	ggaagggaaa	240
gaaaaaggag	ggaagagaaa	ggaaagagaa	ggaagaaaaa	gaggaaaaaa	aaaagaaaa	300
aggnaaanaa	gggaagaaaa	aaaagagaag	aaagaagaaa	aagaaaaaaa	aaggaaaaaa	360
gaagngaaag	aaaaaagaaa	aaaag				385

<210>	35932
<211>	318
<212>	DNA
<213>	Glycine max

gcttactttc	aaagtcta	tttgtaa	gaataataga	tacctaacc	caacttcta	60
ttttctttt	acaatgtt	aagtga	gattcaca	agggag	accattctt	120
ttgaggtg	acaattga	tttgaat	gatatcag	cggttgtg	gtaagaa	180
tgttcgtt	tgaaaagt	gacactga	gcttcatt	tgaaaaa	aagaatgg	240
ttggattta	catgggtg	ttggaact	gccgagtg	ctatatga	catgctcat	300
ctatanga	aacattcg					318

14966

<212> DNA
<213> Glycine max

<400> 35933

ggaaggggaa aaaaaaagaa aagaaagaaa ggataagggg agaaagaaaa ggaaaagaaa 60

gaagagagaa acagagaa 78

<210> 35934
<211> 240
<212> DNA
<213> Glycine max

<400> 35934

taggcgcgca cacttttagc ccgagggagc ccgctgtaac ctaaaggctc tattattctt 60

catgctattc tgggaaaaca gagacctggt aaatccccct actccaggac tctatgatga 120

tgtcatttac acagtaccct cgtaagcagg atgaaacctt catgctaagc tactaggacc 180

cagggtccgaa agtcaaata tagactcact agaaaaccgt aattgaggct gcagcctttc 240

<210> 35935
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 35935

agcttgaagt gngtatccca caatcttttc atagtagaat accggtaatg tgtctactat 60

cattgtcatc attttttttc ggtcattgag gtgccacttg agctgccagg tctctccacc 120

tttgggtgta ttctttgaaa gatctgtgcc cctttttgca catgttctgt tgttgcaccc 180

tatccagaac catatcaaaa ttgtactgat actgcctaac gaaggcaacc attaggtcct 240

tccaagaatg gactcgggaa ggttccaagt tagtgtacca ggtaacagct accccagtaa 300

gactttcttt ggaaggaatg tatcaacaat ttctcatctt ttgcgtat 348

<210> 35936
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 35936

tcacctaact cagtgtgata caactctact ttcctctcaa gtaaaatggt tcttcctaga 360
acattatcag tgtatttggt ccaagcatct aatgaagaga atctccttgt gtcattattga 420
gatg 424

<210> 35939
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35939

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tcgcttaaca cgcgaattaa gcgaatgtta catgtggatt ttttatattc taatataaaa 120
aatatataac attaataaat aaaatgtgta aacaaagtaa aaaatatata atttaagtgt 180
tttttatata atctaagtct tgctgaatga tgatataata ttttgagtta gtataaaatc 240
atatattaag taaatataat gtaaaaaata tatttttaagt aatttagatg caaattgtgt 300
tactatttta gataaataga ttgtgcatta aaaaagttat agatagattt taatatgatc 360
ttatatcggg caaa 374

<210> 35940
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35940

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atggtagcat atacttcaga tcactcttct tcaagtgagt ttgaaccca accgtangaa 120
aggcagtaag gcacatgttg tgagtctaga ccaactcaca gtatttttagt catgtgatga 180
gcaatttatg tagtaacata ataacatgcg agtcttcaac taataagtat tcaagctatg 240
attatgaatt tgctctcttc ctttttgatt aatgctntct aattgtggta agtgtgtcat 300
aaagtgtttt gttatacgac agttaaaca agttaattgt tgacacaaaa tatttttgta 360
ggcacaatta attacttata caactaataa gtcaataaat gggtgagtgg tggtatgtnt 420
gctaagtcaa ccatcaaattc taatctgtga ataact 456

[illegible]

agctntntgg	attatttaca	tgggaccaac	tcattntatt	tcagagagtt	gtatctagtc	60
aaagtctgag	agaccataca	agtttcctag	cgattttctaa	ttatgtggga	cattaagtct	120
atcatatgct	gacaatagcc	gagaagccca	tgaatntctt	cgggggcgga	gtaggtgtcc	180
gccatcgct	tggccttggc	taacaatcgg	ggaagttctt	aactcccgtt	caaggtaaga	240
gcaaaccgat	ccatccacac	cgttgcctct	tgggtgtaaag	agtcgatcac	ccttcctcta	300
gcctcttttt	ctgcgtatac	ttggggcatac	tcgtccgcga	ccctatgtct	gt	352

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<223>      unsure at all n locations
<400>      35942
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ttatgcgcgc	attgtggatg	tggaaaactt	gttgtgcacc	atcgcccgc	tgccaccaag	120
taccacatgt	gatgggtacc	ccataatcct	acaagcttga	gatgaggaag	tgttgaaggg	180
tgaaacttcc	tgcttttatt	gttgaccaca	gagtgggtacc	tgtagatatg	tcgcgggggt	240
caggagacct	tgtggacgtc	aggtggggtg	cta			273

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<223>      unsure at all n locations
<400>      35943
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14970

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 cttgctagcg agaaaggcac gcgcttagcc agcattcact aatgtgcgct aagcggcca 300
 taagtgcgct tagcacatga gcacgaacaa tgccacctat ttaagcctga tattagattt 360
 tagaaagggg agttggactg ggattcagag ttttgcattg ctagaggttc tagaaagaga 420
 aanggtccca gtnccataaa gtttgagaga ttttgtgtgt aagatctgcn agaccagagc 480
 ttgagcagga ccgattcaga cttgaatgag tttggagtg 519

<210> 35944
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35944

tgtttgtatt gttatcacta tcaaattctc caatatagat tgtgaacctt tctttgtttt 60
 tccaatatga aaaatcatca acccagaatg agtcaacatt attntgttct ctaatgccag 120
 gtctcataag ataacaatac aaacaacatg tagcatcttt tgatatatta tattccaacc 180
 aattgctaaa tttcaaaaac caatcacgat taaactttca aattagagtc ttaaattggt 240
 gtattggaat atcatgtctt cttggctgac aaggttcttt ttgctaataa actcttcgga 300
 tgttatccca attattagga tgataacatg atattntggt cctctctcct agaatagcat 360
 gagaatatcc cagatcaact tctaagactc tttgtttcac atatgactat aat 413

<210> 35945
 <211> 270
 <212> DNA
 <213> Glycine max
 <400> 35945

tacaccgtat tcattctgat tgagagtga taatccatag aaaatcagca tctatcatga 60
 tgtgcagaaa tatttgcaac ttcatttgca ttactctctt gcaaaatgtg tggaatgct 120
 attattgttt tggcatctta attctgtatt ccttattgct ttggctaata ggtcattgta 180
 atacgttgat attccaaaga tgcatgttag tagtaactct tccccaaaaa ttataattat 240
 tagagctata tacaaatgaa gttcaaactt 270

<210> 35946
 <211> 361
 <212> DNA
 <213> Glycine max

 <400> 35946

 agcgccgagc tcgaaacaac aaaggaacgc ggggaagaca cgagctaccg aacgattttg 60
 ttccgcacac aacagggggg ggggaagaaa accccccccc caacagagaa aaagaaaaac 120
 cgggatgaag acgaaaacag aaaaaagcac agcaggcaca ccaggggaac acagccacaa 180
 ccaggccccg acgaacgcgg gagcaaacc cgaaggaccc gcacaagagc caacaagaag 240
 cgggaaaaag agacaacaag aagaaacccg taagacgaca aaaggaaata gaacaggcga 300
 gcgaaagcca gaaagcgcag agcaaaagag aaggaccaag agggagaagc aggcagacgg 360
 g 361

<210> 35947
 <211> 340
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35947

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 gggaaaactt atgaccattc gaatatctcg agagctaccg ttgttcaatt tcgagcgtct 120
 cgatatatta tgacccccaa tcggacatct atgtgaaaac gtatgaccat tcgaatatct 180
 cgagagcgtt cgctgttcaa tttcgagcgt ctagatgagt tatgtcctcg aatcgaacat 240
 tcgagtgaaa acttatgacc attcgatttt ctcgagagct tccgttggtc aatttcaagc 300
 gtctcgatat attattgttc ccgaatcgga cactctcgaa 340

<210> 35948
 <211> 448
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35948

 agcttcatga ttgattggcc tcagcaaact cttattttcc agaagggaat tctatcaata 60

gacctccaat ctttaatgga gaggggttacc actactggaa aacccgaatg caaatTTTTa 120
 tcgaggcaat agatctaaat atctgggaag ccatagaaat atggccttat ataccacca 180
 cagtagagag agtttcaata gatggtagtt catcaagtga aagcataacc atagaaaaac 240
 ctagagatag atgggtctgaa gaggatacaa cagcagtact atacaactta taaaccanaa 300
 acataataac atctgcccta ggaatggatg aatatttcac ggggttcaaT tgtaagagtg 360
 ctaacgaaat gtgtgacact cttcgattac acatgaangg actacagatg ttaaaaatct 420
 aggataaatg cactaactca tgagtatg 448

<210> 35949
 <211> 250
 <212> DNA
 <213> Glycine max

<400> 35949
 aaaacagggg aaaaaaaaaag agaaaatTTT gaaggaaaag aaggggaaga aagagaacag 60
 aaaaaaaaaa gggaggaaaa gaaagagaga aaaaaagaga aaaagaggga gcaggggaag 120
 acaagaagaa gaggggaaaag gaaagaaaag aaaaagagaa aaagaggaaa caagaagaag 180
 gaacgagaag aaaagaaaaa aaaagagaag aaaaagaaaa ggacaaagaa acaggaagag 240
 aaaaaaagaa 250

<210> 35950
 <211> 513
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35950

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 cctcatcaca cnnaaanaan ggganngaga gnnaaagaga gagaggagga gattgtgtgt 120
 ttatagggaa gaaaaagggg ggggggagag gagaaaaaaa aaataaaaaa aagaaaaggg 180
 aagaaaagaa gaaggaagga ggaagaaatt aaaagagaag gaaaagagaa aattgaatga 240
 agaaagtgga agataaaaaa aaagagtaaa ataaaaggat aaaaagagtg aagagaagga 300
 agagaaaaaa tgaatgaaga agagaaaaat taaaggaaga agaagaacga aaggaaaaaa 360
 ttgataaaga ataaaaaaag aaaatggTTa taagaagaag gaggaggaaa attaaaggga 420

aaagagaant gaagaagaat gaaaaatgaa ggaaggtgga aagaagagga agaagaagag 480
ggaagaaaag aaaaaaaaaa agatgaagag ggc 513

<210> 35951
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35951

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ctaaaccata cttcccacga tttcctttgg catttatcag gctagttatg ccgccgctgt 180
ctttgcctaa acccattccg ggttcgtaac cgttcccaa cataactcgg gccatcatta 240
ctgctgcac ggacaggcaa ggctaccag agaaggagtc cacagaggaa atgcttacca 300
cctcaaaaga ctagaaagcg gtgtctaacg attcctctgc gggcttcaca ta 352

<210> 35952
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35952

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ttgcatcctt gccttatata cactcttgtc cttgaagaac aaccatttta tgctatggat 120
caaattcatt atatttatac ctgacctatt aaacactaat gtatacataa taacctatga 180
aacattaagt gctagctcat acatagctat gaacatgtag ctagaccatc ttgtggtagc 240
aaactccttt cttgatccaa tgtctcccta attgccttgt aaaagggttat ccatgaagaa 300
gagtatgcat caacaggacc ccacataaag gtatggtttg gacttgcaag gcatgcagta 360
acaaaaacca aaactgaaac tggcttaata ttctgtggga aattgaatgc caagttatca 420
ac 422

<210> 35953
<211> 306

<212> DNA
<213> Glycine max

<400> 35953

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ggctctcaat ggcgtgttag ccctttttgg catggccaaa atgtctacaa ctaacgcctc 120
atccatgata tgagatctat tggctgtagc gtgagtgtag caagcataac acggccatcg 180
gggtggtcga tccctcttct cgtagtctcg agctttgttc gagtcgggct tatcatgtct 240
atattggccg aaatggcata cactcacacc tgttgaggtc gactattgac aaattatgtg 300
cttaaa 306

<210> 35954
<211> 427
<212> DNA
<213> Glycine max

<400> 35954

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gaattgccat tccttggtatt ataggggtga accaagctca tgcttttaca aaaagggttca 120
tcaagtcaag ttgaaatatg gaagtaaccg tcttgcaaaa ttgggggcaaa agatgaattg 180
agtcacatca ctgcttcgtc tactgcaaaa catatttagg attattgatg tccttggtac 240
ttccagtttc accttgacaa agatgtcatg gaccatgttg aaaatctaaa ttgattcaac 300
cccatatctt gcgtaaaaat tcgcaatact tcaactgtgc atcattcgca tgcattccatg 360
ctattcattg gttgcattgc tcgttgcatc ctttccttga aaaatacaaa aatgaactt 420
atcattg 427

<210> 35955
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35955

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gtgaaaagtt atgaccattc gaatttctcg agagcttccg ttgttcaatt tcgagcatct 120

cgatatatta tgtcccagaa tccgacatcc gagtgaaata tatgaccatt cgaatntctc 180
gagagcttcc gttgttcaat ttcgagcatc tcgatatatt atgtcccaga atcggacatt 240
cgagtgaat ttatgaccat tcgaatttct cgagagcttc cattgttcaa tttcgagcgt 300
ctagatgagt tatgtctccg aattggatat ctgctgaaa agttatgacc attcgaattt 360
ctcgagcgt ctctttgntc aatatcgagt gtctcgatat attatg 406

<210> 35956
<211> 447
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35956

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tatcaagcta caaagacttt cttcttttga aactagcttg gggtatcgat taattcaata 180
aaaattacca atatttgaag agaactaaat tttgttgctt gttctaacc tctgcaattg 240
attacttaaa cttagtaatc tattacacat tgtttgaact tattgcttct tagaaactat 300
gagattaatc catctatctt ctcattgntg ataaccacta agcatggata aagagaacta 360
aatctaagac acttaacatg cctagtttag atatatctga tacaatgcc atatctttag 420
agatctgttg acatttcaca tattaata 447

<210> 35957
<211> 290
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35957

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tcaaccgctt ccaactcatt caatacagga aatttaccac cagaacatct aactctaatt 120
atctcatata caagatgctg cgaccttcta aaatctggag cccatgaatg tatgtcggcc 180
acattcaagt ctgataactt ctttgacgag ccagagaatg ctgctgtaaa caccctgcaa 240
ataaatacag tctacacctt aactccatac atagcttgca tcaaacctt 290

<210> 35958
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 35958

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 gcaaatcaac tctcccatTT ccacaagtca ggcataagca cacaatcccc agttgcccac 120
 ctttaaattg agctcacgca ctcttatgta gcccttatcc tcgttctctt atgcactggg 180
 tccccatcaa cccctccaag ctttcacaat atccaaacaa ttcaatttca tttgtcatga 240
 aactacccta aaccaagaaa aacagagtgg aggcagaaaa ctctgcacaa aactcattca 300
 aattccacac tgtttcttac tcacataccc cagtaacatt ctcttcgttc tgattcgtaa 360
 accattggat cgccttgaac atttactgag ggttcttaac acagaaatct 410

<210> 35959
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35959

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 tcaagggttg agaagtgaaa atgagaatgg ggtaactttg gagcaaaactc tcactcctaaa 120
 caattctata acattaatct aaactctctc aaactgtttt tacgactaaa actctaccga 180
 atcaaaattt gactcctcaa caccacaattt accctataaa tggctcttgc cttcactttg 240
 gtcactcatt ttctctcttt gcacagccca agctttccca cagtcctaaa tgacatttca 300
 aactaggatt aactcactct aacctccaat aaccactaaa tccagatgtg gctcttcaaa 360
 tctcgaagc atcacactct ttactcata tcaactacatt cttaatcttt aaccctaagt 420
 taactctacc cttcatctct atc 443

<210> 35960
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 35960

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ataagttgac ttaattaaca tcggttttga aaaaatcgat gctaacattg gtttttctaa 120

aacccaatgt taacattaat atcttaacat cggttattga aaagccgatg ttaacattaa 180

tatcttaaca tcagttattg aaaaactgat gttaacttta atatcttaac atcggttatt 240

gaaaaaccga tgttaactgt aattgaaaaa accgatgta acattgtaaa gttaacattg 300

gttntgttta agaaactgat gttgtcttat tcataactta naaccccaaa atccattttc 360

ccccacgcga tcagttacca aaacccttct ccctttcttc gtcacgctc 410

<210> 35961

<211> 400

<212> DNA

<213> Glycine max

<400> 35961

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gctcataaac gcaatatcca ccactccttc attggctctgc caggtattgt gattacagca 120

ggggagaata atcacattct cctctgacga cactttctga tactcatcac tctttctgtt 180

tgttatgtca gagggaaatgt cgacgatgaa ttccctgact agactttcat atcaatctcc 240

caacttggtg acagtattca acagtccagc aaccttgatg aggacatgat ctccttgcca 300

tccacagcat ctcttaccag agctctgtgt aatgcaagtc tcgctgata tacaaaatta 360

cacctttcaa catctgcaat ggagtggaat gaaatgttgt 400

<210> 35962

<211> 421

<212> DNA

<213> Glycine max

<400> 35962

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atgcattatg taccatgttc aattatcttg ttttggtgtt gagggttttt ttttagaaat 120

gggtttatga tcccaacatg gttggctcat ggtgcctaac acatgcaact aataatgtag 180

tgtgaagttt cacgcttcca cctttttgtt tttgttttgt agaggaaaac gcatggatga 240

gcaaacatga taactgatgg tatgcaatth tgcaaatcag aaagtttggt gaacgcatat 300
 gcatgatgat gccatgactc atgcatgatg tgatgttgga atatgataac gtgcaatagc 360
 aggaatgata tgttcattat gatgtcatga agagatgctt atgcatgca tgatatgaat 420
 g 421

<210> 35963
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35963

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 tagtttttaa aagttttttt caaaacctga gtaccacatg aaattttctc aaaacccttt 120
 accaaagagt ttttactctc tggtaatcga ttaccagatt attgtaatcg attaccagta 180
 gcaaaataat tntcaaaaag ctttcaactg aatntacaat gttccaattg atttcaaaat 240
 gttctaactg attacaatgt tttggtaatc gattaccagt gtgtttgaac gttgaaattc 300
 aaattcaaat gtgaagagtc acatcctctc acaaaaaagc tntgtgtaat cgattacact 360
 aatttggtaa tcgataccag tgatagtttc tgaacaaatc anaaaatgta actcttcann 420
 atagttttta ctttttttaa aatgg 445

<210> 35964
 <211> 362
 <212> DNA
 <213> Glycine max
 <400> 35964

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 acattgaatt agagcttgaa ttacacaaaa atattacttc aatcagtaca acatccatta 120
 accaaggccc gatthttgtag gtgtataaca atgtcaatta tgtacaaaag tcaagtaatt 180
 aaattccctg tacgtaaggg cattcatgag tgacatgagg ctcatthtggt ttgttattgt 240
 ctttgaaaat tattatatct tttgttcatt tgttttccat tatttatgat tgctccattt 300
 ttggctgcct agctggctag ctttttagatc aacggaaaca atgggttgat tctaaaggg 360
 ag 362

<210> 35965
 <211> 322
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35965

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 ccaacaagtc agccaccatt tgggtctccca aaatgctgat gcctatgttg ccaattgggc 120
 ccttattaca acttgaacta aacctaacta aagccctttt agttgattaa cccaaaacat 180
 atntttggtc agccaacttt acaaggattg ggccattatt tagacaaact aaacactcta 240
 aaattgagac aaggtggtgt catttagtcc tccttcattt gggccatgat acaactcaca 300
 accttggaact tttctccttg aa 322

<210> 35966
 <211> 406
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35966

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 ggagtatgac agtcaccgct ttaggagcgc tgtaacacag cagcgcttcg aggccatcaa 120
 gggatggtcg tttctccggg agcgacgcgt ccagctcang gacgacgagt atactgattt 180
 ccaggaggaa atagggcgcc ggcggtgggc atcactgggtt actcccatgg ccaagtttga 240
 tccagaaata gtccttgagt tntatgcaa tgcttggcca acagaggagg gcgtgcgtga 300
 catgagatcc tgnngtaagg gtcagtggat cccgtntgat gccgacgcta tcggccaact 360
 cctangatat ccgttggtgt tggaagaggg ccaggaatgt gagtat 406

<210> 35967
 <211> 376
 <212> DNA
 <213> Glycine max

 <400> 35967

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gaggcacaag cttgaagaca agactatacg acgtatcttc cttacgtata gcaatatgtt 120
 taagggtac cgtgtctaca acttgcaaac taagatactc gtcacgtcg agatgttgaa 180
 gttgatgagt acgctgctcg gaattgggat gaagaaaaag tggagaaaaa cgttcttatg 240
 actactcaac tacctcaaga agaaactgag gaataagacc catgtgaacc accttcacct 300
 ccaccacaac aacaaatcag gaactatcat cactagagtc tgctctaaga cgagtaagat 360
 ctttactgga catata 376

<210> 35968
 <211> 449
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35968

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 atgatgattt cagtcttttt gtaaagagat tcaacaaatt tctaagaaac aaaggaaatc 120
 aaagaaaaga gtagaagatt catcctctct tgcaaaatgt tatgaatgca atcaaccagg 180
 acatctgaga gttgattgcc caagtttaaa gaaaagaata gagagatccg aagagaaaaa 240
 ttccaaagat aagaaaacaa ataaggccta cattacttgg gaagacaatg atatgaactc 300
 atctgaagat tcagaaaatg agagtgtaaa cctgagtctc acgacgaaga attatgatag 360
 cgatgaagaa gaacatcttc taataacaca ttatatatct cattngatga attacaagat 420
 gtattcactg atntacataa agaatcaat 449

<210> 35969
 <211> 387
 <212> DNA
 <213> Glycine max
 <400> 35969

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 gagtttctca acaagcacct aacaaggggg taaaactaca gctatactca aacgatatcc 120
 aatgagctg atattttgtg aggaacaccc taaaatcatg aaaagatagc acaaaaaatt 180
 tcaaacaaaa attcaaagtc aaaatatgaa aactacctaa gcaaagtta gaagaataag 240

acactaatac taaaaaata ataaaaacct agtaaacggc tgatatttca agttttaaac 300
 ggaaatggac ctctggttga ttgccatggc atgggacatt ttctttctacc ccaaatgcat 360
 atataataat agtcattctg ataccg 387

<210> 35970
 <211> 375
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35970

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 atattgttgg tacaatcaaa acctatccta gccgtgaaag gaatacaatg atcatccggt 120
 gatacaagga ctgcccctac tccgtggccc aaagcattaa acgccccatc gaagcacaca 180
 atccatttgt gtatgtcttc gtgcgtctgc ttgtcttcaa acagggccat gatatttca 240
 tatgggaact cggggtgcat cgcccgataa tccgggagga gttgctgggc caaataatcc 300
 gctaatagcac ttgcctttac cggtcttttg gtgacgtaca cgatatcgaa ttcagataat 360
 agtacctgcc accta 375

<210> 35971
 <211> 368
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35971

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 acttgccac gcttaggggc tcgataaact cgtgaccctt ctacttgta aggctaccat 120
 cctcaacatt agacaacact tagccacgct tgggggcttg ataaacttgt gacccttcta 180
 cttgtcaagg ctactgccct cgacactaga taacctccat tgacattaga caacctcttt 240
 tgcccacaag ctggctcaga gattngggg cttatgtaca gtccagggtc caaaaatac 300
 atgtgacang tgacatggca ctccaataac acatcaaccc ttcattgtcag ccctggcata 360
 ggagtata 368

<210> 35972

<211> 414
 <212> DNA
 <213> Glycine max

<400> 35972

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 taagtacacc cacctacctt ttttttggtg attctttttc gttaaagtac ggaaacttac 180
 gaatttcgta acgatacttg ttttctttcc gtaatgttac ggaaccttgc gaattacata 240
 atcatcccct ttttgactta cggaatgtta cagaacctca ctaattgtgc aacgatgctc 300
 tcatttgatt tccaggggtg cacagaacct tacggatcgt gcataaatat tttcttttgt 360
 tcttcgacat gtaccggaat ttcacaaatt gcctaataat gggtgccaag cacc 414

<210> 35973
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 35973

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 acgaagaacg gtgaagaacg gtagaaaatc ttcacggatt ggctcacgaa aatgtctcgg 180
 aagcggtaca aaagcacctc agcttggatt ttcttcacga aaatacgttg ttttttactt 240
 aaaacagctg aaatgcatag cataggggtc aaggatcctt tggaacagcc ctctcgcacc 300
 tatttataga aaaaagggggg tggagcttgc cgcctagctc gcctatgcga gaagatggct 360
 tcctcgggaa gtttcctgat gcacccccca atttgataag tcacccctcc ttatacttt 420
 acggaacatt ac 432

<210> 35974
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35974

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accttccatt tccataagtt caccctccgt ttcgtacttt acggaaaagt tatggaagca 120
 ttacggaagc ctatcggact tgatattctt cttntttgtc cttcctccca ccaatattaa 180
 gtggaaaagg cttaccacgg gttacaggaa ttttagggaa gcattacgga agccctagag 240
 gcccgttttc aaaaaaagag ggaggtgttt gccgccagc ttgccaggt gagctggttg 300
 cttagccagg aagcaagaaa aggtccagaa tctcttagat gggcccagat tcaagaattt 360
 ctatttgcac ctncatcttg ataagt 386

<210> 35975
 <211> 525
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35975

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 gtaggagcta gttgcgctct tgagtatgct attccccgtt tgacgagcgc tgttcgccag 180
 cttcgctact aagccatcaa tgggtggacg cttcaccagg agcgatgctt cctcctaagg 240
 acgactagtg tactgacatc cattaggagc atgggctcct gcggagggca ccgatgctta 300
 ctcccatggc ccacatgttc cagaaacacc cctctgtttc tatgaaatgc tctgtcacct 360
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 acgctcttag acatgctctg cgacaatctg tgggtgnata agacggcccg actcacccat 480
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<210> 35976
 <211> 420
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35976

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 tctagaggac catcctanaa ggcccaagta ggccctgttt gctattgcac ccctctgttt 120
 actaaatata tccccctgcc tttttttgct tattcttttt ccgtaacgtt acggaacttt 180

acgaattccg taacgatact tgttttcctt tccgtatggt acggaacctt acggattacg 240
 taatcacccc ttttttggct tacggaatgt tacggaacct cacgaactgt gtaacaatgc 300
 ttcctttnga tttcngcat gttacggaac ttcacggatc gtgcaacaat gctctentat 360
 aacttctggc atattatgga acttcaggta ttgtgcaaca atgggtgcc aagtatctcga 420

<210> 35977
 <211> 515
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35977

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 gagctgcatg ctgccagctc gtattgttgt tgatccgaat ggtacatgcg cacgaggag 120
 ntgtccacac atattgaccg atagctatct gtgctctaga gagagcgatc tctctcacta 180
 cttgcgtgat tcaagaccgc gatggctgaa tcaaggacat tcacaaccct cgtgagtagc 240
 cctcgctgga aagagtgagt ctttactctc tatgctgccc caccgttgtt cgctagagac 300
 acggtaccac aatatccacc tctggacaga atgatgtggt gaccatcact cgcatgaac 360
 acgactcgtg ccatgtgatg tctggcgcta gattgagttt gacgacgaga cttttccct 420
 ggctatggat gaccacatag ggagccatga gcttgccgat ctgcatctct atatgtagt 480
 anacaccact tacctacatg caccatacca ttctg 515

<210> 35978
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35978

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 cgtggccctt taaacgataa aaccacttgt cacanaacat aatcgaacaa cataacgact 120
 ataattatgg ctatccaacc agatttaaca aacaacttgt cgaggggttga acacccccag 180
 acccaaacca cagtgcgtat agacaaaaac aacaatatgc cgagaatata tattataaaa 240
 taaattcgca tgccattgat gtaattgcc gagtttgcctc tgtgccactc ttatcattca 300

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35981

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 ttagagttta tctcttttat cttagtgaga gtgattctcc taaattcttg agtgattcaa 120
 gaacaccctg gctgtatcaa aggactttca caacctttgt gtgttgccct cgctggaaag 180
 agtgattctt tccttcctat catctccacc cttgttcttt caaaccacaa ttccagaaaa 240
 tccacctctg cccaaaatta tctcgtgacc ataactccca ttccacacac tcaaattaag 300
 tgattcttga gcctaaattg aattttcaaaa cgagaccttt cacctcgtnn tggaatcanc 360
 ctcatggag cctgtagct tccggtattg ccatttctat atttctgtcc agccaccact 420
 taacctacgt tntaccatcc cattca 446

<210> 35982
 <211> 415
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35982

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 tggtagctgg agatatgtcg tggggatcag aagaccttgt ggacgtcagg tggggacta 120
 ttgcccanaa ccaagcttga ccaatcccga cccaaccgg gcatagtcgg tcagtgagaa 180
 cctgtgatgt acctaaacag gcgagctcct ggcagtcaat agataaaagg aacaaagacc 240
 acaaagcaag gaggcttgtg gtggctggcc agctgtgaaa ctggattgat atgtgagata 300
 tggctctctg taatcgatta ccaacggtgg gtaatcgatt acaatgctta caaatgaaga 360
 caggatgcta agatggtctc tggtaatcga ttaccacagg gtgtaatcga ttacc 415

<210> 35983
 <211> 357
 <212> DNA
 <213> Glycine max

 <400> 35983

 tatttcaaaa ttatagctcc aactattcaa gatgggtacgg taaaaattca tcatatctgt 60

aactgtgaca gttctgatct gcaattagca atagccttgc aacaacatga gtttgagcat 120
catccaccac gccagaataa ttcacagcag caatcatcca ttactggtag ctctagactg 180
gtcacagggtc ctcaggtata tactgggggtg gatacatgta tacatatata cacagagaca 240
gcgttggtgt cggttccctg tgtatcatat cgagtcgggc agccaatgga tgggatcatc 300
ttcaattttg tgggaatct ctattattaa gtatcaaaga cccgatcata attatag 357

<210> 35984
<211> 386
<212> DNA
<213> Glycine max

<400> 35984

agcttcttat tttcatatga tgcagatggg tttgtagcta cctcatgcac tcctctaattg 60
actatggcat catttctggc gctaaactgc tgggagtcgg aggccatctt ctcaattaaa 120
tttctggctt cagcaagagt catgtctcca agggctccac cactggcagc atctatcata 180
cttctctcca tattactgag tccttcataa aaatgttggg caagaagctg ttctgaaatc 240
tgatggtgat ggcaactggc acatagcttc ttaaactgat cccagtactc atacaggctc 300
tctccactga gttgtctaata acctgacata tcaactctga tggctgaggc cctggaagca 360
aggaacaaat gttctaagaa tactct 386

<210> 35985
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35985

agctnttact ttatatccag ggggtcctgt ggaacagcga ttgccaagag gccttcgaga 60
agatcaaaca gagtctcgca aaccccccg tgcctatgcc acctgtaaca ggaagacctc 120
tttctctgta catgaccgtg ttgaacgagt ctattgggtg catgttgggt cagcacgatg 180
attctgggaa aaaggaacaa gccatttact atctaagcaa gaagtttacc gcatgtgaga 240
tgaattactc aatgctggaa aggacgtgtt gtgctctggt atgggcataa catcggttta 300
ggcagtacat gctcagccat accacgtggc ttattttcaa aatggatccc gtgaaatata 360

tctttg

366

<210> 35986
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35986

agctntgggtg atatttctcc gacttctagt gtggcangta ttggttntgt tgacaaataa 60.
tgtagttgca aacaaaagct ttagtgtaa agtacatgct tgaccagtag aaggagggtgc 120
caagcctaac caaatttgggt tgaggtttaa agtgtcctgt cgttggggag gagggtgaa 180
gattggaaat ctaaggcaca aagagtcaat tctgtaagta caataagcct tttgagact 240
ctgaaagtta ttgcatgct ttcataaatt tcaacttttc taatcagtta ttgccttca 300
caagggtcttg catttaaatt ttaggttat gtttcgttcc actttgtaat ctgagccact 360
gttgaatat ctgcaaagg acttgcaaca tacttctctt ctacaacaag tggt 414

<210> 35987
<211> 199
<212> DNA
<213> Glycine max

<400> 35987

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gaagaactcg gctacatgca gatcgtctta tgtcttgata gggattacg cttatttcta 120
ctgtatcaca agagcgtctt gtgagatagc tagaatatgc tatcacctca gctgcatgta 180
cgcggaactat taagcattt 199

<210> 35988
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35988

gtgtgaagaa aggccaagat cttgatgggtg aacctgcaaa gaatattaaa caccttcctc 60
ttccaccagg ggtaaatttt taattcatgg caacctgggt aactaggttg actaaggctt 120

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35993

gctcgacccg ggatctctaa gcacctgcag catgcagctt gagcctattc ctgactcacc 60
ataaaccttg acccaggggtg agaatgtcaa tccttaccct cggaagcaaa aaaagaatag 120
aggggaaatt tccaatcaaa gaaaaagaga agggaaaattt ccaatgaaag caaaaaagga 180
aaagaaggaa aattcccca tcaaagagtg ggagaaagca aaaaaagaaa agaaggaaaa 240
ttccccaatc aaagagtggg agaaagcaaa aagaaaagaa aggaaaattc ccaatcaaag 300
aatgggagaa agtaaaaaagg aagaagaaga aggaaagaaa gctcctgatc aaggatcgaa 360
agaaaacaga agaaaagtgc agagaggtct ttggaccgga caatatctga acaatacaga 420
attgccacca aatgaacgan taaagaatga aggggaaccac gacctanaat agtcttctcc 480
ctttgat 487

<210> 35994
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35994

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gctctgttga gcgagctatt gtgcaacctg caccctccat atcatataga tacgcatgat 120
ggggctgacg agaacggtcc attatcatat attaataggc tctcactgta atttatgaga 180
acaacgatac tgaataacaa taatctgcgc ctacgcatgt ccatgaccct tccttaacat 240
ttgcgcgatc gacttgtggg cgtaatgacc ttcttctttc ataacacggc aatagtattc 300
atgacttggt aattaatcta taagcgatgc cacatcttgt gctcacatgc taactcattc 360
tctacataca gaatactata ttgtgtagcg agacttacga ctattggtac aacctaen 418

<210> 35995
<211> 441
<212> DNA
<213> Glycine max

<400> 35995

ttggaaaaac actaccacta caacttttga ggggcctcta tatggcacca ataagagct 180
 cccactcttg aaaggtgaaa ggaatcatct ctgtttanat gcatgaaccg gatggacgag 240
 ctatacgctt gccttatgtc tgaaagatat ctgtcccatc tgtctctgtg agactcgatg 300
 gaatatgttg gccctcatcg atgagcgcat aaataagcta caattagtgg cgactcacia 360
 gcaacagctc caagattagt acgccaacat tctatcatac atggaaccaa tggagatggc 420
 attgatatat tgtcg 435

<210> 35998
 <211> 243
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35998

agcttcaaca tttcttatcg agcgtttcca tatattacgg gactgaatca gacatccgag 60
 taanaagtta tcgtcggtat aatttgcctc gagcttcggg attgcatttc gagcgctctcg 120
 atatattacg ggactcaatc agacatccga gtaaaaagtt tttgtcggtt gaacttgctc 180
 agagcttcca taatcaatat ccagccggtc catatattac tggactcaat cctacaaccg 240
 tgt 243

<210> 35999
 <211> 568
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35999

agtgtgttag anannanann nnnnggtatg gcttcgngct agnatctncl ggngaattna 60
 gcgtagnagg cggtgatcta tatgtagacc tagcatgcat tgctagcttg cgttcttggt 120
 ttacttacct cgctgaagat acgaacattc gacgagaggt cgtgatgagt gaactgtcta 180
 cacactcggc ttgacaacct ttgtgaagat tggcgctcact gaacactgtt acgaggaacc 240
 gtatctgaaa gcgcctccag gttagatttt cttgacggaa acgattattc cgcgctcatt 300
 cagtggagag aagcgtgcct agagggctgg accccttctt tcttgcatte ctccactatg 360
 tatagcgaat taagggaggt ggttgccctc cagactgccg cagcgagcaa ggatgcttac 420

<210>	36003
<211>	259
<212>	DNA
<213>	Glycine max

<210>	36004
<211>	346
<212>	DNA
<213>	Glycine max

14996

ttcgggtggga ctctctgcct aaacactatt tcctctgatc cctcta

346

<210> 36005
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36005

agcttctagc tctatggact tacctataat taattccttt gatagccctt ttgagccttg 60
tttccctttc cttgttttga agctcactac aagccttaag tgaaaaacca tgatatcacc 120
atataccttaa ggaatttttg agctttggaa ttgttttggg aataagtgtg ggggggtttt 180
tgtttcattg gataacttgt tttgttggct atacttcatg atgtattttg ggccatactt 240
gatgtacatt gtatattggg taaatgttgg acatgctgaa tgaaatgttg tttctcaaag 300
gatatagagt aaaaaaaaaac gaaaaagaca aaaatagcaa taaagtcgag tgaataagat 360
cttaaattggc aaaagaatga tgagactcct gggttctactc tttatgttan aatttatctc 420
tacttctttt att 433

<210> 36006
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36006

agcttcaccc gtcttcttta tcctangttc ttcggtgact agaaaccatc agtggtgtga 60
aacattgaga atttgataga gaatgttgac gttcatgttg caaaaggaag atgtcttacg 120
ttgtaaacag attcgcagtt ggtgggttaag gcgttcaaca atcctctatt agtaccctgg 180
tctgttagaa atgaatggct taacacctta tccatttcac attttctcat atactccagg 240
aggggaatag ctgtgcattt atcttatacct cttttgggat tgcaaagtgt gggttttattt 300
ggtgggagtc tctccctagt ttttttttta taggatcctt ctagagccgc caaatggct 360
ctaggcccaa cccacttggc cctccataat ggtcctagca cgccttagct ccctaatan 420
gngcactata caatcccact 440

<210> 36007

<211> 166
 <212> DNA
 <213> Glycine max

<400> 36007

ctgcgtttag tgatgaccac atagaggtac ctcaagatat gacatcgggg tcatgagacc 60
 ttggggacat cacgtggtgt gctatagccc ataaccaagc gtgacctatc ccgaccacc 120
 ccgggcataa tcagtcaacg agaacctgtg atgtacctaa gcatgc 166

<210> 36008
 <211> 350
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36008

tgtacataat annattgtct ttcatagatn gacanaacaa acttatctaa aattggagtc 60
 gtcacgtcca caccaccggc gcctggagtc ataggcggcc ctctgagat tctangaggg 120
 taaggtgctg aacttgatga tatagattat gttagaaaag atattttaat tattttttat 180
 ntttttgatg ataaaaaaat tatttaatta ttgactaaa taattttttt tgatagattt 240
 taatatttct taaaacatta cttannataa catttttcat cattttgatt cacacatcac 300
 atgctactaa ctaatagtgc tgcatactgt ttaggacatt ctatcttttc 350

<210> 36009
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36009

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 ccacaactct aataaatggg agagaaatgt tcatctagac catacaagtc cctaataatta 120
 tcagatccta caatttgagc tcctatggag caaaacaatg tgtgtctcct agagagggca 180
 tcagctacca catttgtttt tccctttttg tatttgataa catatggaaa ttgctctatg 240
 tactctaccc attntgcatg cctcttgttt aacttgcttt gccctctaatt gtacttaagt 300
 gattgatgat cactatgaat gacaaattcc ttggaaacaa ggtaatgttc ccaagtttgg 360

agggctctta ttaaggcata aagctc

386

<210> 36010
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36010

agcttgactc tcttctttac atggcaagtt caacacactt tcagcaaatac tcttcacaaa 60
taactatcac aaagcataaa ccaagtaaaa ctacccatca tatctcccaa agccccatac 120
ccacgaaaat ttatgtgaga agaagtctac ccaaacctga gatttcgagg tcccacacgt 180
agagatgcac ttcacgactc cgaaaatgcc ttctttttgc gatttggagc agaaatggtg 240
accaaagggtt ggagctttta tggaggcttc aatggagagg aagaagaaag aaaaagcaac 300
gtgagggaga gggagaaagc ttctganatc ttctggtgag tgaggagaga gagaaaacag 360
ctctttgggt taaagaggct tttctctttt ctattatttt at 402

<210> 36011
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36011

agcttaatgt ctttttccat attcaaatac gatcagtgtt ttgaaagttg ttcttttatac 60
aagtcacatgc aaaaacatct gaattcattt ggtttttggg aaagtccttc attgttttca 120
aaaattcttt tgctgtgttc tgataaaaaa ataagtttaa aaaaaaaata tactagttgt 180
ttgattcttt caaagtatgt tatgttcaag aaaaaatttt ctttttaact cccagaaaga 240
gttataatct ataactatac taacaaaata tcaaagcaca cacaaattag tcaaaataaa 300
ctcgcgtaag taaataagggt aataaagtag tgaatnttaa taaaagcga taaataaaca 360
taaagataag ttcacgagtt tgtgaagatc atggctgagg cactcagtct cccccaatga 420
aacaaca 428

<210> 36012
<211> 434
<212> DNA

<213> Glycine max
 <223> unsure at all n locations
 <400> 36012

agcttgtcgt ttgttgacat tntaactttc ttaattagac aaggcatgat tgatcatgct 60
 gtgtgatgtg tatcagtcta tatgtacatg tacaatttct ctcaatgtca aaccaaattt 120
 cgtaagctaa atgtgtactc aatttttaag catatgctac aaaaatcaat actcatcaca 180
 acatataccc tcaactgcct ttacccaaat aaaaacgtgt actcaatttt taagcccatg 240
 ctgcagaaat caatgctcat cacaatatat tccctcactt cccttttcaa gataggcaca 300
 tcaaaacaca tgatttatgt aatggagaat ggagatacta tagctgaatt cttatgacgt 360
 ataaatcgat ttaaggtagc aatttccatt tttctttcct gaagagttga gttcagtcct 420
 agcatctata tata 434

<210> 36013
 <211> 367
 <212> DNA
 <213> Glycine max
 <400> 36013

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 caaaaagctc aagagaatga tttcaagatt gagtcacgaa caattcccat gagaatgatt 120
 tcaagattga gtcaagaaca attcaagaat caagagagat ttgatttcaa gaatcaagaa 180
 tcaagaataa tcaagatcaa gattcaagac tcaagattca agaatacaaga gaagactcaa 240
 tcaagataag tattaataaag tttttcaaaa cattgagtag cacatgaagt tttcacaaaa 300
 tcttttacca aagagttttt actctctggt aatcgattac tagtttactg taatcgatta 360
 ccaatga 367

<210> 36014
 <211> 328
 <212> DNA
 <213> Glycine max
 <400> 36014

agcttgaata tatgttttcc acgccagcac gcacttagcg cgtatgcagc ttgctaagcg 60
 aggcgattgt ctcttctgcg ctaagcacia gattgacgct aagccaaata ttacttacct 120